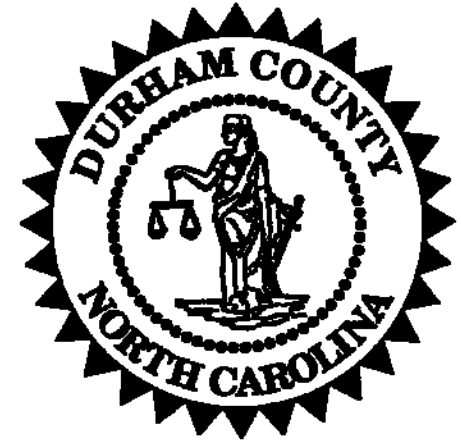


# Capital Improvement Plan

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**Durham County, North Carolina**

**Fiscal Years  
2012-2021**

**Durham County, North Carolina**  
**Capital Improvement Plan**  
**Fiscal Years 2012-2021**

**Board of County Commissioners**

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**Ellen W. Reckhow** ..... Vice Chairman  
**Joe W. Bowser** ..... Commissioner  
**Becky M. Heron** ..... Commissioner  
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**Staff**

**Michael M. Ruffin**, County Manager  
**Marqueta Welton**, Deputy County Manager  
**Michael Palmer**, Interim Deputy County Manager  
**Lowell Siler**, County Attorney  
**Michelle Parker-Evans**, Clerk to the Board  
**George Quick**, Finance Director

**Pamela Meyer**, Budget Director  
**S. Keith Lane**, Senior Budget Analyst  
**Kim Connally**, Budget Analyst  
**Bo Gattis**, Budget Analyst  
**Laura Jensen**, Budget Analyst

# Durham County Capital Improvement Plan (CIP)

## Fiscal Years 2012-2021

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Dear Durham County Residents:

I am pleased to present Durham County's 2012-2021 Capital Improvement Plan (CIP). This version of the biennial CIP will be my sixth and in several important ways maybe the most important. This CIP sees the full implementation of two of the county's largest projects in the Human Services Complex and the New County Courthouse. This CIP also sees the Durham Public School system beginning to spend the majority of its 2007 voter approved GO Bond funds (\$194 million). As of FY 2011-12 Durham County is undergoing unprecedented capital activity, and all this is happening in a less than ideal economic and lending climate. This turbulent and slow growing economic climate has two serious effects on the CIP; 1) the county's ability to pay for already issued capital related debt and, 2) the need to support future planned projects within a financial framework that continues to maintain the County's highly regarded AAA bond rating.

Revenues, other than property taxes, which the county uses to support annual capital debt service are just now back at 2008 levels. Future growth estimates for these revenues, along with property tax revenue estimates, have been revised downward since the previous biennial CIP was produced. What does this mean? It means that during the busiest capital expansion in Durham County in decades revenues needed to support the costs of these capital projects are not growing at the same pace as prior years, and that slower future revenue growth will limit the county's ability to support new projects. One positive outcome of this economic turmoil has been a decreased cost for some of the county's projects. In particular the new Durham County Courthouse contract came in \$20 million less than estimated just two years ago.

As one of five counties in the state to be AAA rated, Durham County has proven that it takes great care and pride in being financially responsible in its daily operations and future outlook. Due to the current economic and lending climate locally and nationally those agencies that bestow bond ratings are taking a very close look at how counties such as ours will be conducting our financial business going forward. In response to this new rating environment as well as our own concern

about what Durham County finances can safely handle over the next several years Durham County management and the Board of County Commissioners felt it was prudent to scale back the cost and scope of the FY 2012-21 CIP.

This plan is important to the County and its citizens for several reasons. First, it states the intentions and priorities of the Board of County Commissioners concerning capital needs for the next ten years, secondly, it defines the fiscal and logistical constraints that factor into the timing of each project. Third, this plan shows the costs and anticipated funding sources to be used to achieve these goals. Capital projects in the plan extend into the future for ten years, but the fiscal effects extend up to 25 years. With that in mind a capital financing plan is presented showing all funding sources and revenues that will be used to support estimated capital project costs. Finally, this ten year CIP is just that, a plan, and while a great deal of effort and thought have already gone into developing what you will see in the following pages, it offers a starting point from which yearly comparisons, fiscal and environmental changes, unforeseen needs, and public discussion can ensue.

This approved version of the FY2012-2021 CIP is a major biennial update. The major changes to this current CIP, as compared to the last CIP are:

- The move of one previously planned GO Bond referendum, from fiscal year 2011-12 at \$174 million to outside the ten year view of this CIP. Slower than projected public school student growth, along with an already high debt service load caused the County to review its current GO Bond referendum schedule and make these changes to better reflect the county's debt capacity over the next ten years.
- Significant decreases to the planned costs of the Durham County Courthouse, and new Jail Annex. The estimated cost decrease for these two projects is over \$43 million.
- Several planned projects from the FY 2010-19 CIP were removed completely from the ten year span of the FY 2012-21 CIP. These include a Main Street Parking Deck, a Downtown Parking Deck, an IT Disaster Recovery Center, a new EMS Southwest Station, a Sheriff's Driving and Training Facility, the Timberlake Rail Trail, and two NC Museum of Life & Science projects. The total estimated cost for all of these projects was \$40 million. Taking these projects out of the FY 2012-21 CIP does not mean that they are not or will not be needed, but rather, that during the ten year span shown as part of this CIP they will not be considered. They will be reviewed in the next biennial CIP that will cover FY 2014-23.
- Five new projects totaling approximately \$9.4 million are included in this CIP:
  - County Facility Light Replacement
  - IT – Major Laserfish Upgrade
  - IT – Network Communication Service
  - Sheriff – Technology Upgrade
  - Utility Performance Contract

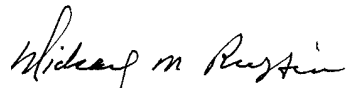
These changes represent better knowledge of existing project costs, new county capital needs, updated financial market constraints, changes in Board of County Commissioner directives, and other factors that can change over the span of two years. I am confident that this plan presents a balance of the County's physical needs, present and future, within the financial obligations and funding choices available to the County.

The county will continue to review the CIP on a biennial basis and present to the Board any recommended changes for consideration, this is necessary as new information about county capital needs, county fiscal strength, voter-supported funding, and existing project scheduling arises. A capital improvement plan involves the constant testing of assumptions and the requisite modification of the plan based on new and/or different information.

I know that this capital improvement plan clearly outlines Durham County government's effort and determination to provide its citizens with the best service and infrastructure possible. We will continue to fulfill the mandate given to us by the citizens and elected officials of this county to provide quality services along with quality facilities.

Staff and I look forward to working with the Board of County Commissioners and the community as we implement the FY 2012-2021 Capital Improvement Plan.

Sincerely,

A handwritten signature in black ink, appearing to read "Michael M. Ruffin". The signature is fluid and cursive, with the first name "Michael" and last name "Ruffin" clearly distinguishable.

Michael M. Ruffin  
County Manager

NOTE:

Projects that have full funding and some or all expenditures in years prior to the current CIP ten year span (2012-2021), are shown in the Addendum.

These “prior year” projects are as follows:

**General Government**

BOCC Boardroom Upgrades

County Stadium

Durham Convention Center

County Storage Facility



## **Summary**

General information and graphs concerning the  
entire Capital Improvement Plan



# **DURHAM COUNTY POLICY ON FINANCING CAPITAL PROJECTS**

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Durham County recognizes the goal of the capital financing policy is to provide for the adequate funding of the county's capital program while avoiding erratic increases or decreases in the county's property tax rate. Thus, a capital financing plan for the payment of debt related to projects financed by long-term borrowing shall be updated annually.

The county currently dedicates the following revenues to the payment of debt and capital projects:

Article 40 and Article 42 one-half cent sales taxes;  
The county's share of the occupancy tax;  
Countywide property taxes;  
Enterprise revenues.

The county reserves up to twenty percent (20%) of these annually-dedicated revenues for pay-as-you-go projects. In addition, the pay-as-you-go policy restricts dedicated property tax revenue to 20% of a maximum of five cents (One cent total) in countywide property taxes.

Investment earnings on unexpended debt proceeds shall be restricted to the payment of debt. Investment earnings on amounts restricted for the payment of debt and pay-as-you-go funds shall bear the same restrictions as the principal amounts generating these investment earnings.

Excess funds, if available, within the debt service fund may be used to provide advance funding for capital projects pending bond sale or loans to the equipment leasing fund. Such advances or loans would be repaid with interest based on the monthly yield of the North Carolina Cash Management Trust short-term investment fund.

This policy applies to the governing board and administration of the county and may be revised from time to time by the governing board, as it deems appropriate to meet the changing needs of the county for capital financing.

# Debt Service

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## Current Debt Service

At a bond referendum held on November 6, 2001, County voters approved bond orders giving the County the authority to issue general obligation bonds in an aggregate principal amount not to exceed \$74,660,000 to finance the construction of selected capital projects. A summary of this referendum is included:

### **2001 Bond Authorization**

|                         |                     |
|-------------------------|---------------------|
| School Facilities       | \$51,800,000        |
| Library Facilities      | \$10,270,000        |
| Museum \$5,840,000      |                     |
| Recreational Facilities | \$5,550,000         |
| Health Care Facilities  | \$1,200,000         |
| <b>Total</b>            | <b>\$74,660,000</b> |

All but six million dollars of these G.O. bonds were issued in 2002.

The County issued two-thirds G.O. debt proceeds in January 2002, amounting to \$11,050,000 in general obligation bonds. The Public Improvement Bonds represent a consolidation of \$5,910,000 Public Building Bonds and \$5,140,000 Library Facilities Bonds.

A bond referendum held in November 2003 was approved by voters, giving the County the authority to issue general obligation bonds in an aggregate principal amount not to exceed \$124,000,000 to finance the construction of selected capital projects.

### **2003 Bond Referendum**

|                    |                      |
|--------------------|----------------------|
| School Facilities  | \$105,315,000        |
| Community Colleges | \$4,637,262          |
| Library Facilities | \$5,184,513          |
| Museum Facilities  | \$8,200,000          |
| Issuance Costs     | \$663,225            |
| <b>Total</b>       | <b>\$124,000,000</b> |

In April 2004 the County issued \$40.6 million of the total 2003 authorization amount of \$124,000,000, and the final \$6 million of the total 2001 authorization amount of \$74,660,000 in general obligation debt. These bond funds are supporting \$26.13

million in school projects, \$5.18 million for the NC Museum of Life & Science, \$4.64 million for libraries, and \$4.2 million for Durham Technical Community College. Bond issuance costs make up the remaining funds.

Also in April 2004, the County issued \$10.6 million in two-thirds general obligation debt to support three ongoing capital projects: \$7.63 million for a new Durham County Courthouse, \$2.48 million for a new Human Services Complex, and \$381,000 for renovations to the Headstart/YMCA building. Bond issuance costs make up the remaining funds.

Late in fiscal year 2005-06 the County issued approximately \$11.38 million in two-thirds general obligation bonds for Durham Public Schools, land acquisition, libraries, and county buildings, as well as \$49.225 million of general obligation bonds for Durham Public Schools (\$45.08 million) and Durham Technical Community College (\$4.145 million). These G.O. bonds are the second issuance of the voter approved amount authorized in 2003.

Bank financing has been used to support smaller capital projects and parts of larger projects. These borrowed funds are generally paid off within 5 years.

In March of FY 2008 the last issuance of the 2003 G.O. Bond (\$34.175 million for DPS) occurred. Also, \$12.1 million in two thirds General Obligation bonds was issued for five projects, including \$3.8 million for Criminal Justice Center renovations, \$3.95 million for Durham Public School land banking, \$2.7 million for Holton School (CIS Academy), and the rest for three smaller projects.

A bond referendum held in November 2007 was approved by voters, giving the County the authority to issue general obligation bonds in an aggregate principal amount not to exceed \$207,100,000 to finance the construction of selected capital projects.

#### **2007 Bond Referendum**

|                                    |                      |
|------------------------------------|----------------------|
| Durham Public Schools              | \$194,240,000        |
| Durham Technical Community College | \$8,680,000          |
| NC Museum of Life & Science        | \$4,180,000          |
| <b>Total</b>                       | <b>\$207,100,000</b> |

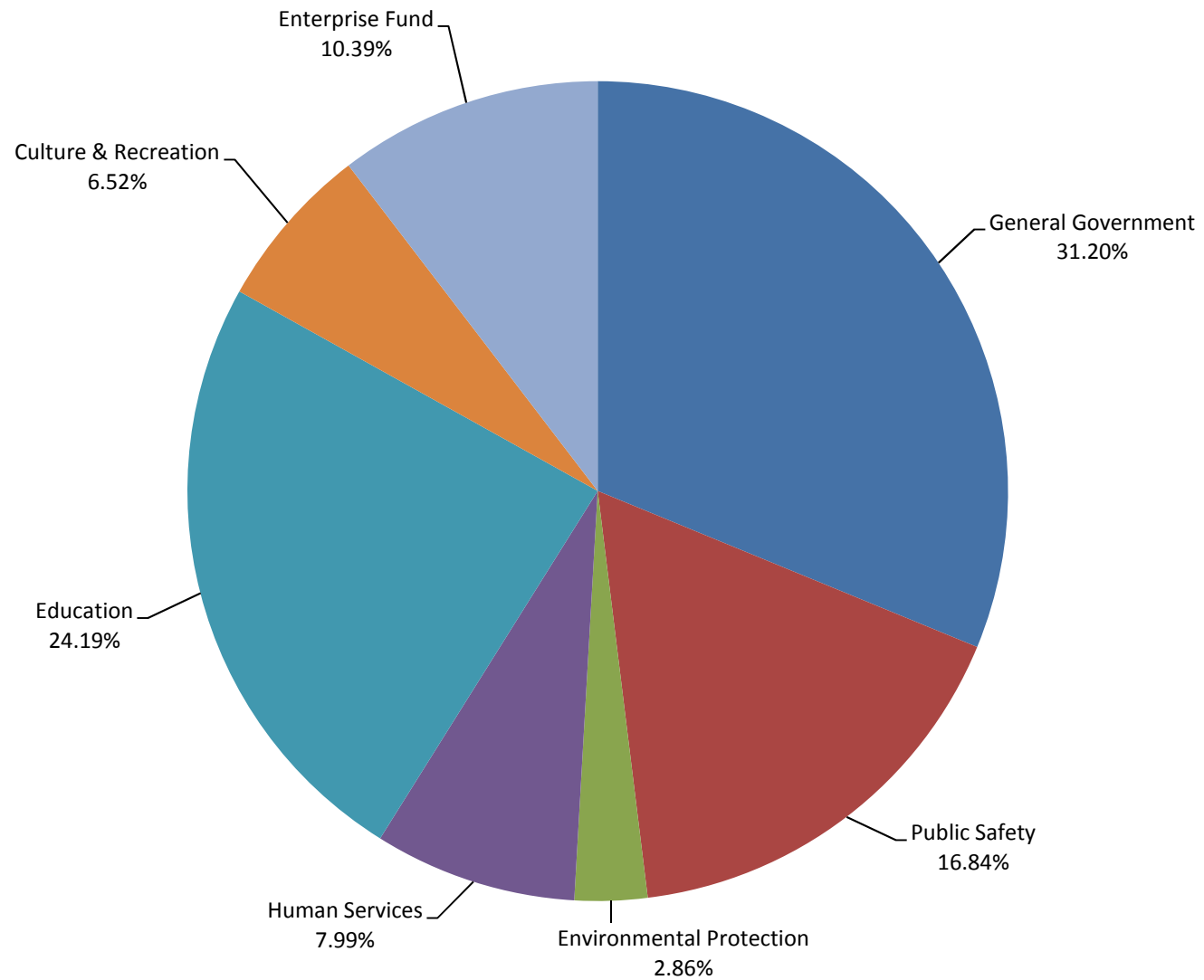
Limited short term borrowing (BANS) will be applied with an actual GO Bond issuance every two to three years to pay off any short term borrowing debt. Approximately \$60 million of the authorized GO Bonds amount was issued in FY 2011 with short term borrowing covering the difference between FY 2008 and 2010. Using short term borrowing (BANS) allows for a more accurate issuance amount than has been available in the past. Issuance of the rest of the 2007 voter approved GO Bonds (approximately \$146.7 million) is expected to occur in FY 2014.

## **New Debt Service**

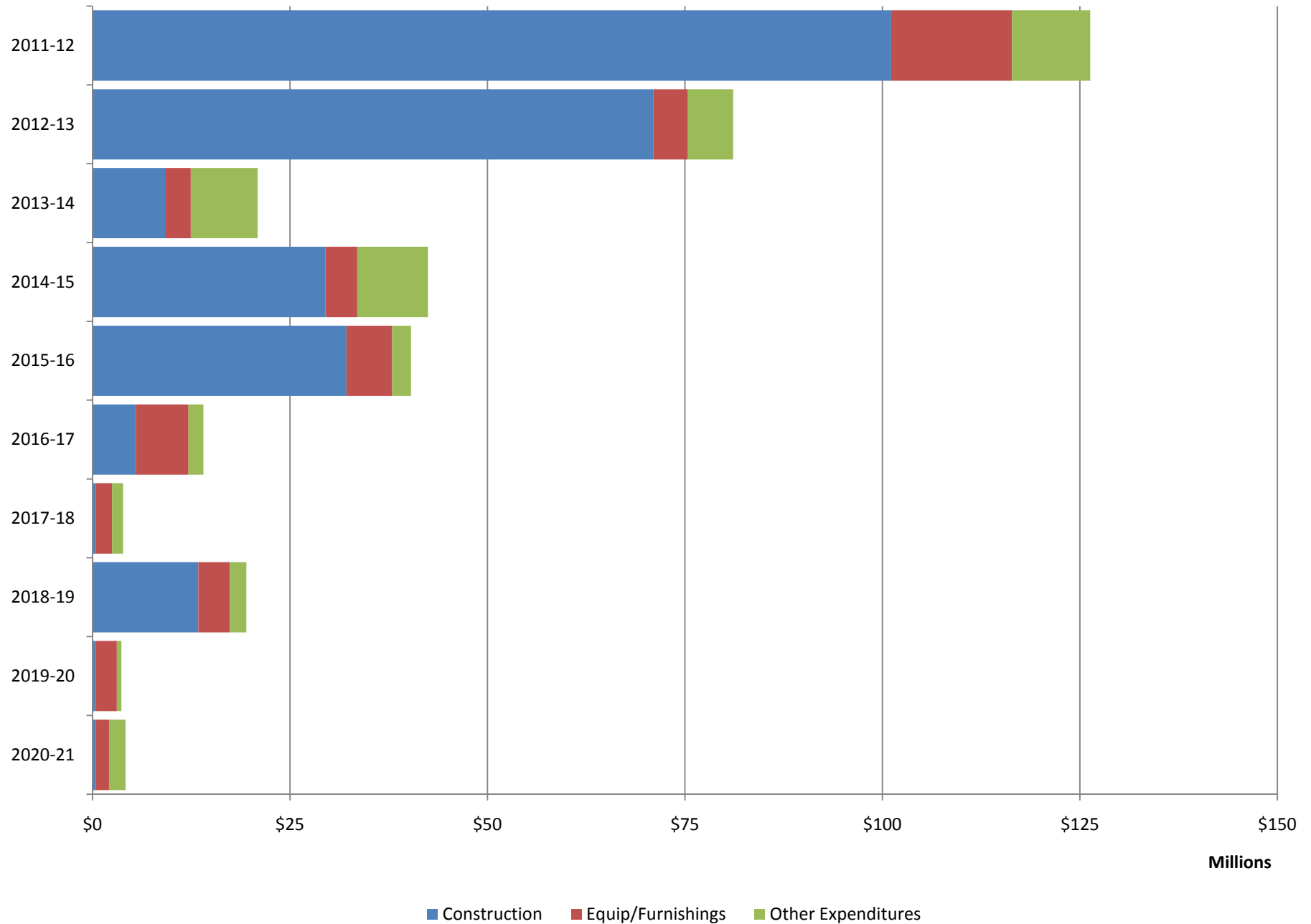
Due to unprecedented capital activity over the last several years and significant changes in Durham County's financial outlook for the next ten years the FY 2012-21 CIP was scaled back significantly from the previous biennial CIP (2010-19). No longer is there a planned GO Bond referendum in the ten year span of this CIP, and only one major project, a new Detention Center Annex estimated at \$55 million, is expected to be supported by COPS financing.

*Comments: North Carolina law limits local government net debt to 8% of assessed value. Based on current valuations, the county could issue \$2.09 billion in debt. At this writing, the county has \$228.69 million in outstanding general obligation debt. An additional \$132.72 million in certificates of participation debt is not included in this legal limit.*

## 2012-2021 Capital Improvement Plan Function Percentages



## 2012-2021 Capital Improvement Plan Expenditures by Year



## Durham County 2012- 2021 Capital Improvement Plan Project Allocation Summary

| Detail             | Prior Years          | 2011-12              | 2012-13             | 2013-14             | 2014-15             | 2015-16             | 2016-17             | 2017-18            | 2018-19             | 2019-20            | 2020-21            | Grand Total          |
|--------------------|----------------------|----------------------|---------------------|---------------------|---------------------|---------------------|---------------------|--------------------|---------------------|--------------------|--------------------|----------------------|
| Planning           | \$18,538,981         | \$4,274,553          | \$929,467           | \$2,933,514         | \$6,601,210         | \$426,473           | \$85,255            | \$550,000          | \$550,000           | \$50,000           | \$1,377,297        | \$36,316,749         |
| Land Acquisition   | \$18,043,999         | \$300,000            | \$500,000           | \$2,500,000         | \$600,000           | \$500,000           | \$500,000           | \$500,000          | \$500,000           | \$500,000          | \$500,000          | \$24,943,999         |
| Construction       | \$196,582,473        | \$101,113,863        | \$70,985,782        | \$9,197,759         | \$29,514,111        | \$32,166,124        | \$5,503,896         | \$400,000          | \$13,400,000        | \$400,000          | \$400,000          | \$459,664,008        |
| Equip/Furnishings  | \$24,426,326         | \$15,302,781         | \$4,388,634         | \$3,254,041         | \$4,018,905         | \$5,784,002         | \$6,636,635         | \$2,059,334        | \$3,985,000         | \$2,675,400        | \$1,683,000        | \$74,214,058         |
| Other              | \$11,715,353         | \$1,637,666          | \$2,022,666         | \$2,356,773         | \$50,000            | \$561,800           | \$751,482           | \$300,000          | \$0                 | \$0                | \$0                | \$19,395,740         |
| Contingencies      | \$7,670,296          | \$3,688,908          | \$2,293,953         | \$664,699           | \$1,693,544         | \$899,682           | \$575,758           | \$50,000           | \$1,050,000         | \$50,000           | \$215,913          | \$18,852,752         |
| <b>Grand Total</b> | <b>\$276,977,428</b> | <b>\$126,317,771</b> | <b>\$81,120,502</b> | <b>\$20,906,787</b> | <b>\$42,477,769</b> | <b>\$40,338,081</b> | <b>\$14,053,025</b> | <b>\$3,859,334</b> | <b>\$19,485,000</b> | <b>\$3,675,400</b> | <b>\$4,176,209</b> | <b>\$633,387,306</b> |

The project allocation amounts shown above are for all projects in the 2010-2019 Capital Improvement Plan.

**Planning:** These costs include architect plans, site testing, and other pre-building issues.

**Land Acquisition:** Estimated costs for land needed for various projects.

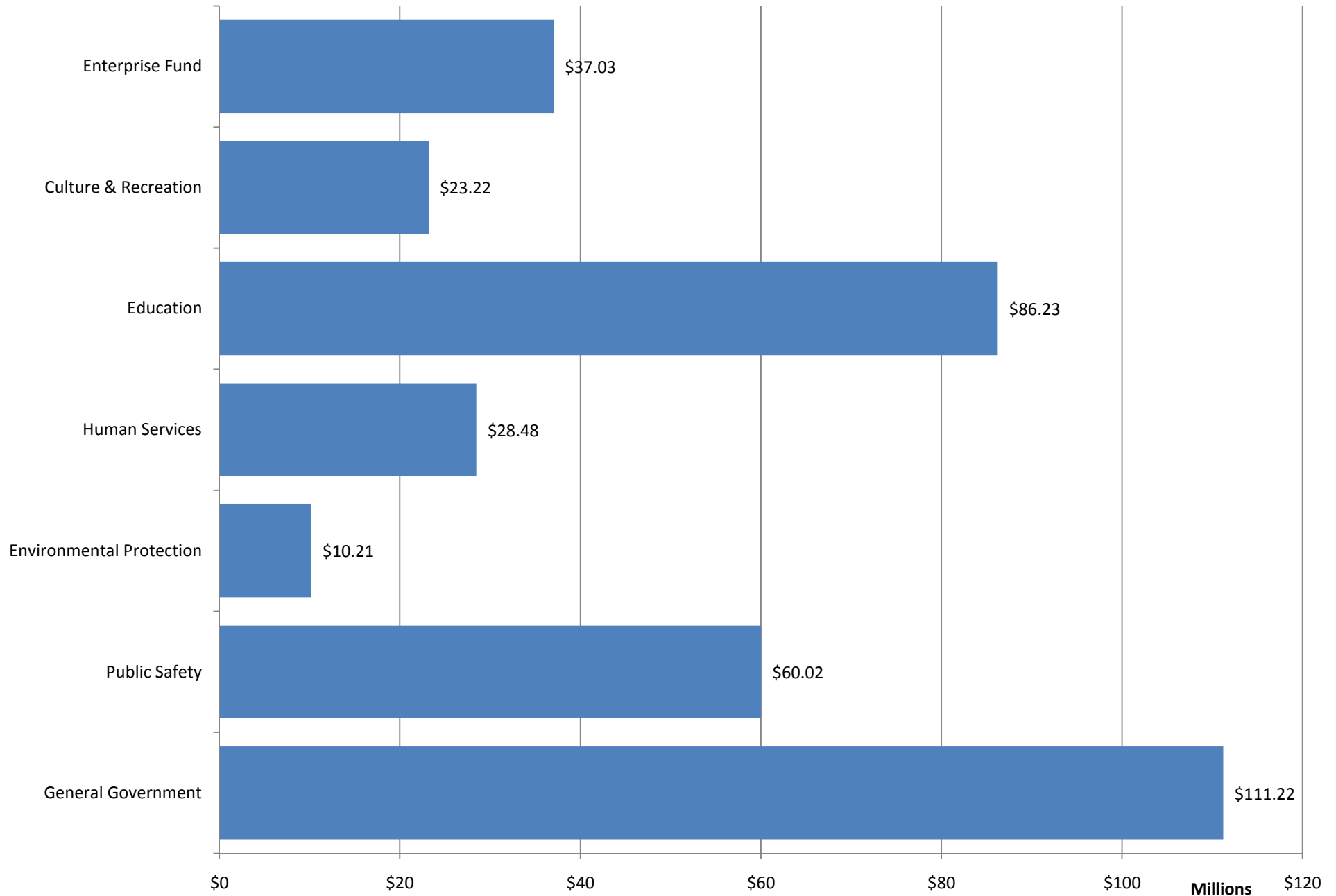
**Construction:** Estimated costs for the actual buildings related to specific projects.

**Equip/Furnishings:** Estimated costs for equipment such as chillers, alarm systems, and safety equipment. Furnishings includes desks, chairs, courtroom benches and other items that will be used by employees and citizens.

**Other:** This allocation includes costs not easily fit in other categories. Examples include sludge removal (part of the waste water treatment facility upgrade project) and computer hardware and software purchases for the One Stop Shopping planning project.

**Contingencies:** This is generally a percentage of the total project cost and represents funds available for unforeseen and/or increased costs.

## 2012-2021 Capital Improvement Plan Function Totals

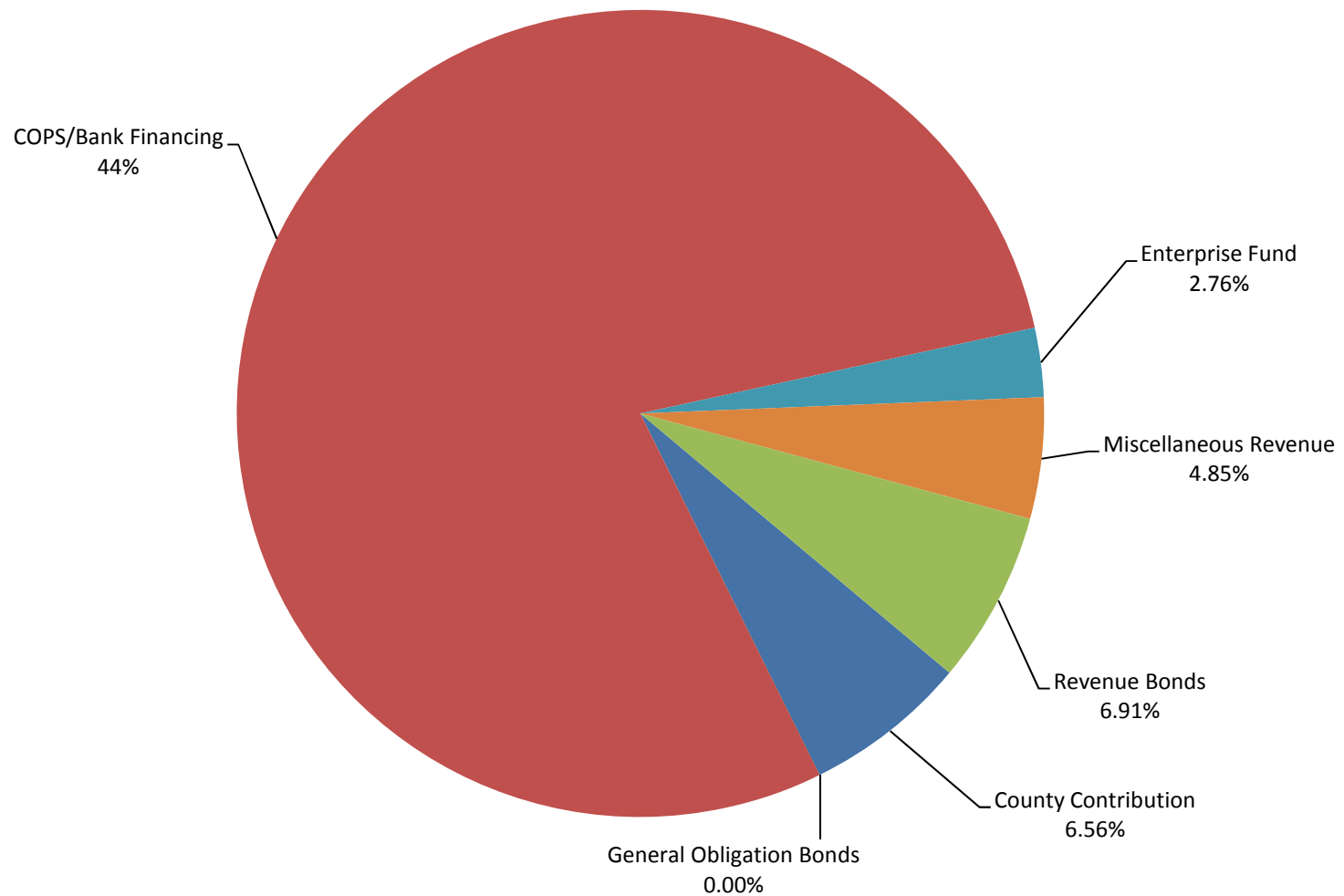




**Durham County FY 2012-21 Capital Improvement Plan  
Project Costs**

| Function                              | Project                                  | Prior Years          | 2011-12              | 2012-13             | 2013-14             | 2014-15             | 2015-16             | 2016-17             | 2017-18            | 2018-19             | 2019-20            | 2020-21            | Grand Total          |
|---------------------------------------|--|----------------------|----------------------|---------------------|---------------------|---------------------|---------------------|---------------------|--------------------|---------------------|--------------------|--------------------|----------------------|
| General Government                    | Durham County Courthouse                 | \$63,517,091         | \$41,925,360         | \$13,704,004        | \$0                 | \$0                 | \$0                 | \$0                 | \$0                | \$0                 | \$0                | \$0                | \$119,146,455        |
|                                       | Judicial Building Renovation             | \$2,703,989          | \$412,372            | \$5,710,564         | \$10,374,186        | \$0                 | \$0                 | \$0                 | \$0                | \$0                 | \$0                | \$0                | \$19,201,111         |
|                                       | Administration Building Refurbishment    | \$1,825,000          | \$0                  | \$500,000           | \$0                 | \$4,821,143         | \$0                 | \$0                 | \$0                | \$0                 | \$0                | \$0                | \$7,146,143          |
|                                       | Main Street Parking Deck                 | \$0                  | \$0                  | \$0                 | \$0                 | \$0                 | \$0                 | \$0                 | \$0                | \$0                 | \$0                | \$1,493,209        | \$1,493,209          |
|                                       | Enterprise Wide Software Replacement     | \$2,500,000          | \$2,000,000          | \$500,000           | \$435,000           | \$0                 | \$0                 | \$3,000,000         | \$0                | \$0                 | \$0                | \$0                | \$8,435,000          |
|                                       | Countywide IT Hardware Replacement       | \$4,312,000          | \$1,791,000          | \$1,710,000         | \$1,798,000         | \$2,589,000         | \$2,151,000         | \$1,787,000         | \$1,815,000        | \$3,179,000         | \$2,076,000        | \$1,683,000        | \$24,891,000         |
|                                       | Telecommunications System Upgrade        | \$475,000            | \$0                  | \$300,000           | \$0                 | \$0                 | \$350,000           | \$0                 | \$0                | \$806,000           | \$0                | \$0                | \$1,931,000          |
|                                       | IT - Data Center                         | \$0                  | \$0                  | \$0                 | \$355,000           | \$0                 | \$0                 | \$861,000           | \$0                | \$0                 | \$0                | \$0                | \$1,216,000          |
|                                       | IT - Fiber Backbone                      | \$304,000            | \$343,000            | \$134,000           | \$0                 | \$0                 | \$0                 | \$0                 | \$0                | \$0                 | \$0                | \$0                | \$781,000            |
|                                       | County Facility Light Replacement        | \$0                  | \$474,601            | \$474,601           | \$474,601           | \$0                 | \$0                 | \$0                 | \$0                | \$0                 | \$0                | \$0                | \$1,423,803          |
|                                       | IT - Major Laserfishe Upgrade            | \$0                  | \$0                  | \$0                 | \$300,000           | \$0                 | \$0                 | \$0                 | \$300,000          | \$0                 | \$0                | \$0                | \$600,000            |
|                                       | IT - Network Communication Services      | \$0                  | \$0                  | \$0                 | \$310,000           | \$280,000           | \$0                 | \$0                 | \$0                | \$0                 | \$0                | \$0                | \$590,000            |
| <b>General Government Total</b>       |  | <b>\$75,637,080</b>  | <b>\$46,946,333</b>  | <b>\$23,033,169</b> | <b>\$14,046,787</b> | <b>\$7,690,143</b>  | <b>\$2,501,000</b>  | <b>\$5,648,000</b>  | <b>\$2,115,000</b> | <b>\$3,985,000</b>  | <b>\$2,076,000</b> | <b>\$3,176,209</b> | <b>\$186,854,721</b> |
| Public Safety                         | EMS Station #1 Bay Expansion             | \$890,000            | \$1,173,499          | \$0                 | \$0                 | \$0                 | \$0                 | \$0                 | \$0                | \$0                 | \$0                | \$0                | \$2,063,499          |
|                                       | EMS-Station #3                           | \$0                  | \$0                  | \$0                 | \$0                 | \$2,052,500         | \$0                 | \$0                 | \$0                | \$0                 | \$0                | \$0                | \$2,052,500          |
|                                       | Sheriff-Detention Center Annex           | \$706,090            | \$0                  | \$0                 | \$5,000,000         | \$25,000,000        | \$25,000,000        | \$0                 | \$0                | \$0                 | \$0                | \$0                | \$55,706,090         |
|                                       | Sheriff-Technology Upgrade               | \$0                  | \$599,900            | \$0                 | \$0                 | \$0                 | \$599,400           | \$0                 | \$0                | \$0                 | \$599,400          | \$0                | \$1,798,700          |
| <b>Public Safety Total</b>            |  | <b>\$1,596,090</b>   | <b>\$1,773,399</b>   | <b>\$0</b>          | <b>\$5,000,000</b>  | <b>\$27,052,500</b> | <b>\$25,599,400</b> | <b>\$0</b>          | <b>\$0</b>         | <b>\$0</b>          | <b>\$599,400</b>   | <b>\$0</b>         | <b>\$61,620,789</b>  |
| Environmental Protection              | Open Space Land Acquisition              | \$850,000            | \$300,000            | \$500,000           | \$500,000           | \$500,000           | \$500,000           | \$500,000           | \$500,000          | \$500,000           | \$500,000          | \$500,000          | \$5,650,000          |
|                                       | New Hope Creek - Hollow Rock             | \$1,614,000          | \$50,000             | \$360,000           | \$0                 | \$0                 | \$0                 | \$0                 | \$0                | \$0                 | \$0                | \$0                | \$2,024,000          |
|                                       | Utility Performance Contract             | \$0                  | \$2,500,000          | \$2,500,000         | \$0                 | \$0                 | \$0                 | \$0                 | \$0                | \$0                 | \$0                | \$0                | \$5,000,000          |
| <b>Environmental Protection Total</b> |  | <b>\$2,464,000</b>   | <b>\$2,850,000</b>   | <b>\$3,360,000</b>  | <b>\$500,000</b>    | <b>\$500,000</b>    | <b>\$500,000</b>    | <b>\$500,000</b>    | <b>\$500,000</b>   | <b>\$500,000</b>    | <b>\$500,000</b>   | <b>\$500,000</b>   | <b>\$12,674,000</b>  |
| Human Services                        | Human Services Complex                   | \$61,471,508         | \$15,257,634         | \$12,557,500        | \$660,000           | \$0                 | \$0                 | \$0                 | \$0                | \$0                 | \$0                | \$0                | \$89,946,642         |
| <b>Human Services Total</b>           |  | <b>\$61,471,508</b>  | <b>\$15,257,634</b>  | <b>\$12,557,500</b> | <b>\$660,000</b>    | <b>\$0</b>          | <b>\$0</b>          | <b>\$0</b>          | <b>\$0</b>         | <b>\$0</b>          | <b>\$0</b>         | <b>\$0</b>         | <b>\$89,946,642</b>  |
| Education                             | Durham Public Schools                    | \$129,421,684        | \$44,556,688         | \$41,669,833        | \$0                 | \$0                 | \$0                 | \$0                 | \$0                | \$0                 | \$0                | \$0                | \$215,648,205        |
| <b>Education Total</b>                |  | <b>\$129,421,684</b> | <b>\$44,556,688</b>  | <b>\$41,669,833</b> | <b>\$0</b>          | <b>\$0</b>          | <b>\$0</b>          | <b>\$0</b>          | <b>\$0</b>         | <b>\$0</b>          | <b>\$0</b>         | <b>\$0</b>         | <b>\$215,648,205</b> |
| Culture And Recreation                | Main Library Renovations                 | \$800,000            | \$0                  | \$0                 | \$0                 | \$2,242,860         | \$7,404,904         | \$6,926,602         | \$0                | \$0                 | \$0                | \$0                | \$17,374,365         |
|                                       | NCMLS - Classroom & Exhibit Refurb.      | \$0                  | \$0                  | \$0                 | \$0                 | \$46,856            | \$399,933           | \$478,423           | \$244,334          | \$0                 | \$0                | \$0                | \$1,169,546          |
|                                       | NCMLS - Deferred Maintenance             | \$0                  | \$0                  | \$0                 | \$0                 | \$2,045,410         | \$3,432,844         | \$0                 | \$0                | \$0                 | \$0                | \$0                | \$5,478,254          |
| <b>Culture And Recreation Total</b>   |  | <b>\$800,000</b>     | <b>\$0</b>           | <b>\$0</b>          | <b>\$0</b>          | <b>\$4,335,126</b>  | <b>\$11,237,681</b> | <b>\$7,405,025</b>  | <b>\$244,334</b>   | <b>\$0</b>          | <b>\$0</b>         | <b>\$0</b>         | <b>\$24,022,166</b>  |
| Enterprise Fund                       | Waste Water Treatment Plant Improvements | \$231,783            | \$11,589,000         | \$0                 | \$0                 | \$0                 | \$0                 | \$0                 | \$0                | \$0                 | \$0                | \$0                | \$11,820,783         |
|                                       | Collection System Rehabilitation         | \$2,258,078          | \$1,141,922          | \$500,000           | \$500,000           | \$500,000           | \$500,000           | \$500,000           | \$500,000          | \$500,000           | \$500,000          | \$500,000          | \$7,900,000          |
|                                       | Reused Waste Water Facility              | \$3,097,205          | \$2,202,795          | \$0                 | \$200,000           | \$2,400,000         | \$0                 | \$0                 | \$0                | \$0                 | \$0                | \$0                | \$7,900,000          |
|                                       | Sludge Energy Recovery & Solar Drying    | \$0                  | \$0                  | \$0                 | \$0                 | \$0                 | \$0                 | \$0                 | \$500,000          | \$14,500,000        | \$0                | \$0                | \$15,000,000         |
| <b>Enterprise Fund Total</b>          |  | <b>\$5,587,066</b>   | <b>\$14,933,717</b>  | <b>\$500,000</b>    | <b>\$700,000</b>    | <b>\$2,900,000</b>  | <b>\$500,000</b>    | <b>\$500,000</b>    | <b>\$1,000,000</b> | <b>\$15,000,000</b> | <b>\$500,000</b>   | <b>\$500,000</b>   | <b>\$42,620,783</b>  |
| <b>Grand Total</b>                    |  | <b>\$276,977,428</b> | <b>\$126,317,771</b> | <b>\$81,120,502</b> | <b>\$20,906,787</b> | <b>\$42,477,769</b> | <b>\$40,338,081</b> | <b>\$14,053,025</b> | <b>\$3,859,334</b> | <b>\$19,485,000</b> | <b>\$3,675,400</b> | <b>\$4,176,209</b> | <b>\$633,387,306</b> |

## 2012-2021 Capital Improvement Plan By Revenue Source



# **Capital Improvement Plan Financing Overview**

Two major functions of a capital improvement plan are the identification and prioritization of capital projects over a specified amount of time (in this case 10 years) and the financing choices used to fund planned capital projects. The selection of projects for Durham County's 2012-2021 capital improvement plan was born out of a detailed grading process that involved costs, needs, timeliness, and other criteria. The financing choices were and are more limited. Identifying a particular type of financing for a specific project includes: assessing legal funding criteria for specific types of projects, county debt capacity, securing and keeping a high county bond rating, the total cost of issuing different types of debt, debt payment schedules, planned tax increases due to increased debt payments, and anticipated voter support for bond referendums. While finding worthwhile capital projects to support is all too easy, finding the appropriate debt vehicles and revenue to support debt payments is much more complicated.

Below is a list of the types of funding included in Durham County's 2012-2021 capital improvement plan along with a brief description:

**County Contribution:** Funding directly from the County General Fund for each year. There is no debt associated with this funding.

**General Obligation Bonds:** Funds received after voter approval of a bond referendum. This is the strongest form of security a local government can pledge for debt, its full faith and credit, making the debt general obligation. In November 2007, Durham County residents voted in a referendum giving Durham County the approval to issue up to \$207.1 million in general obligation debt. Debt payments for G.O. Bonds are expected to be paid off over twenty years.

**Two Thirds Bonds:** These are funds that the County can receive by issuing General Obligation bonds equal to 2/3rds of the amount of General Obligation Bond debt service paid off in the previous year. These bonds do not require voter approval.

**COPS/Short Term Bank Financing:** Certificates of Participation (COPS) and Bank Financing are other financing sources that do not require voter approval. Certificates of Participation are a loan (made by multiple financial institutions) broken into pieces and sold to investors. Each piece is a Certificate of Participation.

Short term bank financing is secured by a pledge of the asset being purchased, and is being used in this current CIP for IT related purchases of County computer hardware replacement. For the computer hardware loan, funds will be borrowed on a three year schedule to coincide with a planned three year hardware replacement schedule.

**Enterprise Fund (Revenue Bonds):** These funds come from revenue collected by the County's wastewater treatment facility and collection system. The revenue goes to support capital projects related to the wastewater treatment facility and collection system. Revenue Bonds were issued for phase II of the Waste Water Treatment Plant (WWTP) Upgrade project after an in-depth fee study and rate change were implemented. Revenue Bonds are backed by revenue earned by the asset, in this case fees charged to customers of the WWTP.

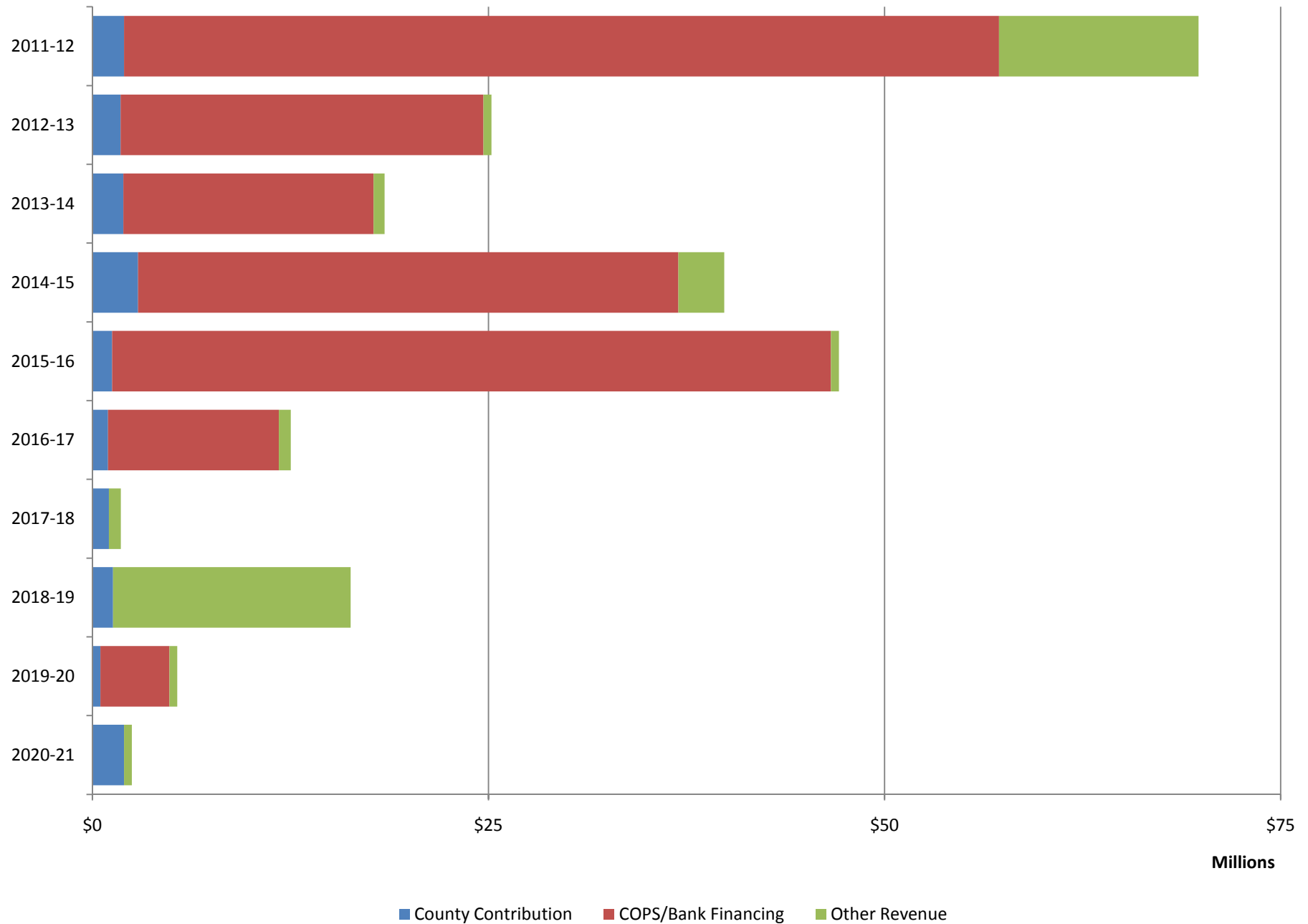
**Miscellaneous Revenue:** For this CIP miscellaneous revenue represents State Revolving Loan funds supporting Phase III of the county's wastewater treatment plant. In the past these revenues represent sources other than those listed above.

## Durham County 2012-2021 Capital Improvement Plan Funding Summary

| Detail                   | Prior Years          | 2011-12             | 2012-13             | 2013-14             | 2014-15             | 2015-16             | 2016-17             | 2017-18            | 2018-19             | 2019-20            | 2020-21            | Grand Total          |
|--------------------------|----------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|--------------------|---------------------|--------------------|--------------------|----------------------|
| County Contribution      | \$18,122,630         | \$1,998,100         | \$1,784,601         | \$1,949,601         | \$2,879,356         | \$1,249,933         | \$978,423           | \$1,044,334        | \$1,306,000         | \$500,000          | \$1,993,209        | \$33,806,188         |
| General Obligation Bonds | \$193,448,205        | \$0                 | \$0                 | \$0                 | \$0                 | \$0                 | \$0                 | \$0                | \$0                 | \$0                | \$0                | \$193,448,205        |
| Two Thirds Bonds         | \$22,828,291         | \$0                 | \$0                 | \$0                 | \$0                 | \$0                 | \$0                 | \$0                | \$0                 | \$0                | \$0                | \$22,828,291         |
| COPS/Bank Financing      | \$150,892,903        | \$55,229,620        | \$22,898,568        | \$15,799,186        | \$34,109,413        | \$45,369,148        | \$10,787,602        | \$0                | \$0                 | \$4,358,400        | \$0                | \$339,444,839        |
| Miscellaneous Revenue    | \$5,789,000          | \$11,589,000        | \$0                 | \$0                 | \$0                 | \$0                 | \$0                 | \$0                | \$0                 | \$0                | \$0                | \$17,378,000         |
| Enterprise Fund          | \$3,381,783          | \$1,000,000         | \$500,000           | \$700,000           | \$900,000           | \$500,000           | \$750,000           | \$750,000          | \$500,000           | \$500,000          | \$500,000          | \$9,981,783          |
| Revenue Bonds            | \$0                  | \$0                 | \$0                 | \$0                 | \$2,000,000         | \$0                 | \$0                 | \$0                | \$14,500,000        | \$0                | \$0                | \$16,500,000         |
| <b>Grand Total</b>       | <b>\$394,462,812</b> | <b>\$69,816,720</b> | <b>\$25,183,169</b> | <b>\$18,448,787</b> | <b>\$39,888,769</b> | <b>\$47,119,081</b> | <b>\$12,516,025</b> | <b>\$1,794,334</b> | <b>\$16,306,000</b> | <b>\$5,358,400</b> | <b>\$2,493,209</b> | <b>\$633,387,306</b> |

The funding shown above is for all projects in the 2012-2021 Capital Improvement Plan.

## 2012-2021 Capital Improvement Plan Funding by Year



**Durham County 2012-2021 Capital Improvement Plan  
Funding Source Summary**

| Project  | Detail                | Prior Years         | 2011-12             | 2012-13             | 2013-14             | 2014-15             | 2015-16             | 2016-17            | 2017-18          | 2019-21            | Grand Total          |
|--|-----------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|--------------------|------------------|--------------------|----------------------|
| Durham County Courthouse                           | County Contribution   | \$6,668,818         | \$0                 | \$0                 | \$0                 | \$0                 | \$0                 | \$0                | \$0              | \$0                | \$6,668,818          |
|  | Two Thirds Bonds      | \$7,627,637         | \$0                 | \$0                 | \$0                 | \$0                 | \$0                 | \$0                | \$0              | \$0                | \$7,627,637          |
|  | COPS/Bank Financing   | \$49,220,636        | \$41,925,360        | \$13,704,004        | \$0                 | \$0                 | \$0                 | \$0                | \$0              | \$0                | \$104,850,000        |
| <b>Durham County Courthouse Total</b>              |                       | <b>\$63,517,091</b> | <b>\$41,925,360</b> | <b>\$13,704,004</b> | <b>\$0</b>          | <b>\$0</b>          | <b>\$0</b>          | <b>\$0</b>         | <b>\$0</b>       | <b>\$0</b>         | <b>\$119,146,455</b> |
| Judicial Building Renovation                       | County Contribution   | \$546,592           | \$0                 | \$0                 | \$0                 | \$0                 | \$0                 | \$0                | \$0              | \$0                | \$546,592            |
|  | Two Thirds Bonds      | \$605,142           | \$0                 | \$0                 | \$0                 | \$0                 | \$0                 | \$0                | \$0              | \$0                | \$605,142            |
|  | COPS/Bank Financing   | \$1,964,627         | \$0                 | \$5,710,564         | \$10,374,186        | \$0                 | \$0                 | \$0                | \$0              | \$0                | \$18,049,377         |
| <b>Judicial Building Renovation Total</b>          |                       | <b>\$3,116,361</b>  | <b>\$0</b>          | <b>\$5,710,564</b>  | <b>\$10,374,186</b> | <b>\$0</b>          | <b>\$0</b>          | <b>\$0</b>         | <b>\$0</b>       | <b>\$0</b>         | <b>\$19,201,111</b>  |
| Administration Building Refurbishment              | County Contribution   | \$1,125,000         | \$0                 | \$500,000           | \$0                 | \$0                 | \$0                 | \$0                | \$0              | \$0                | \$1,625,000          |
|  | Two Thirds Bonds      | \$700,000           | \$0                 | \$0                 | \$0                 | \$0                 | \$0                 | \$0                | \$0              | \$0                | \$700,000            |
|  | COPS/Bank Financing   | \$0                 | \$0                 | \$0                 | \$0                 | \$4,821,143         | \$0                 | \$0                | \$0              | \$0                | \$4,821,143          |
| <b>Administration Building Refurbishment Total</b> |                       | <b>\$1,825,000</b>  | <b>\$0</b>          | <b>\$500,000</b>    | <b>\$0</b>          | <b>\$4,821,143</b>  | <b>\$0</b>          | <b>\$0</b>         | <b>\$0</b>       | <b>\$0</b>         | <b>\$7,146,143</b>   |
| Main Street Parking Deck                           | County Contribution   | \$0                 | \$0                 | \$0                 | \$0                 | \$0                 | \$0                 | \$0                | \$0              | \$1,493,209        | \$1,493,209          |
| <b>Main Street Parking Deck Total</b>              |                       | <b>\$0</b>          | <b>\$0</b>          | <b>\$0</b>          | <b>\$0</b>          | <b>\$0</b>          | <b>\$0</b>          | <b>\$0</b>         | <b>\$0</b>       | <b>\$1,493,209</b> | <b>\$1,493,209</b>   |
| County Facility Light Replacement                  | County Contribution   | \$0                 | \$474,601           | \$474,601           | \$474,601           | \$0                 | \$0                 | \$0                | \$0              | \$0                | \$1,423,803          |
| <b>County Facility Light Replacement Total</b>     |                       | <b>\$0</b>          | <b>\$474,601</b>    | <b>\$474,601</b>    | <b>\$474,601</b>    | <b>\$0</b>          | <b>\$0</b>          | <b>\$0</b>         | <b>\$0</b>       | <b>\$0</b>         | <b>\$1,423,803</b>   |
| Enterprise Wide Software Replacement               | County Contribution   | \$0                 | \$0                 | \$10,000            | \$10,000            | \$0                 | \$0                 | \$0                | \$0              | \$0                | \$20,000             |
|  | COPS/Bank Financing   | \$2,500,000         | \$2,000,000         | \$490,000           | \$425,000           | \$0                 | \$0                 | \$3,000,000        | \$0              | \$0                | \$8,415,000          |
| <b>Enterprise Wide Software Replacement Total</b>  |                       | <b>\$2,500,000</b>  | <b>\$2,000,000</b>  | <b>\$500,000</b>    | <b>\$435,000</b>    | <b>\$0</b>          | <b>\$0</b>          | <b>\$3,000,000</b> | <b>\$0</b>       | <b>\$0</b>         | <b>\$8,435,000</b>   |
| Countywide IT Hardware Replacement                 | COPS/Bank Financing   | \$4,338,640         | \$7,861,360         | \$0                 | \$0                 | \$0                 | \$8,932,000         | \$0                | \$0              | \$3,759,000        | \$24,891,000         |
| <b>Countywide IT Hardware Replacement Total</b>    |                       | <b>\$4,338,640</b>  | <b>\$7,861,360</b>  | <b>\$0</b>          | <b>\$0</b>          | <b>\$0</b>          | <b>\$8,932,000</b>  | <b>\$0</b>         | <b>\$0</b>       | <b>\$3,759,000</b> | <b>\$24,891,000</b>  |
| Telecommunications System Upgrade                  | County Contribution   | \$0                 | \$0                 | \$300,000           | \$0                 | \$0                 | \$350,000           | \$0                | \$0              | \$806,000          | \$1,456,000          |
|  | COPS/Bank Financing   | \$475,000           | \$0                 | \$0                 | \$0                 | \$0                 | \$0                 | \$0                | \$0              | \$0                | \$475,000            |
| <b>Telecommunications System Upgrade Total</b>     |                       | <b>\$475,000</b>    | <b>\$0</b>          | <b>\$300,000</b>    | <b>\$0</b>          | <b>\$0</b>          | <b>\$350,000</b>    | <b>\$0</b>         | <b>\$0</b>       | <b>\$806,000</b>   | <b>\$1,931,000</b>   |
| IT - Data Center                                   | County Contribution   | \$0                 | \$0                 | \$0                 | \$355,000           | \$0                 | \$0                 | \$0                | \$0              | \$0                | \$355,000            |
|  | COPS/Bank Financing   | \$0                 | \$0                 | \$0                 | \$0                 | \$0                 | \$0                 | \$861,000          | \$0              | \$0                | \$861,000            |
| <b>IT - Data Center Total</b>                      |                       | <b>\$0</b>          | <b>\$0</b>          | <b>\$0</b>          | <b>\$355,000</b>    | <b>\$0</b>          | <b>\$0</b>          | <b>\$861,000</b>   | <b>\$0</b>       | <b>\$0</b>         | <b>\$1,216,000</b>   |
| IT - Fiber Backbone                                | COPS/Bank Financing   | \$304,000           | \$343,000           | \$134,000           | \$0                 | \$0                 | \$0                 | \$0                | \$0              | \$0                | \$781,000            |
| <b>IT - Fiber Backbone Total</b>                   |                       | <b>\$304,000</b>    | <b>\$343,000</b>    | <b>\$134,000</b>    | <b>\$0</b>          | <b>\$0</b>          | <b>\$0</b>          | <b>\$0</b>         | <b>\$0</b>       | <b>\$0</b>         | <b>\$781,000</b>     |
| IT - Major Laserfish Upgrade                       | County Contribution   | \$0                 | \$0                 | \$0                 | \$300,000           | \$0                 | \$0                 | \$0                | \$300,000        | \$0                | \$600,000            |
| <b>IT - Major Laserfish Upgrade Total</b>          |                       | <b>\$0</b>          | <b>\$0</b>          | <b>\$0</b>          | <b>\$300,000</b>    | <b>\$0</b>          | <b>\$0</b>          | <b>\$0</b>         | <b>\$300,000</b> | <b>\$0</b>         | <b>\$600,000</b>     |
| IT - Network Communication Services                | County Contribution   | \$0                 | \$0                 | \$0                 | \$310,000           | \$280,000           | \$0                 | \$0                | \$0              | \$0                | \$590,000            |
| <b>IT - Network Communication Services Total</b>   |                       | <b>\$0</b>          | <b>\$0</b>          | <b>\$0</b>          | <b>\$310,000</b>    | <b>\$280,000</b>    | <b>\$0</b>          | <b>\$0</b>         | <b>\$0</b>       | <b>\$0</b>         | <b>\$590,000</b>     |
| EMS Station #1 Bay Expansion                       | County Contribution   | \$0                 | \$1,173,499         | \$0                 | \$0                 | \$0                 | \$0                 | \$0                | \$0              | \$0                | \$1,173,499          |
|  | Two Thirds Bonds      | \$350,000           | \$0                 | \$0                 | \$0                 | \$0                 | \$0                 | \$0                | \$0              | \$0                | \$350,000            |
|  | COPS/Bank Financing   | \$540,000           | \$0                 | \$0                 | \$0                 | \$0                 | \$0                 | \$0                | \$0              | \$0                | \$540,000            |
| <b>EMS Station #1 Bay Expansion Total</b>          |                       | <b>\$890,000</b>    | <b>\$1,173,499</b>  | <b>\$0</b>          | <b>\$0</b>          | <b>\$0</b>          | <b>\$0</b>          | <b>\$0</b>         | <b>\$0</b>       | <b>\$0</b>         | <b>\$2,063,499</b>   |
| EMS-Station #3                                     | County Contribution   | \$0                 | \$0                 | \$0                 | \$0                 | \$2,052,500         | \$0                 | \$0                | \$0              | \$0                | \$2,052,500          |
| <b>EMS-Station #3 Total</b>                        |                       | <b>\$0</b>          | <b>\$0</b>          | <b>\$0</b>          | <b>\$0</b>          | <b>\$2,052,500</b>  | <b>\$0</b>          | <b>\$0</b>         | <b>\$0</b>       | <b>\$0</b>         | <b>\$2,052,500</b>   |
| Sheriff-Detention Center Annex                     | County Contribution   | \$706,090           | \$0                 | \$0                 | \$0                 | \$0                 | \$0                 | \$0                | \$0              | \$0                | \$706,090            |
|  | COPS/Bank Financing   | \$0                 | \$0                 | \$0                 | \$5,000,000         | \$25,000,000        | \$25,000,000        | \$0                | \$0              | \$0                | \$55,000,000         |
| <b>Sheriff-Detention Center Annex Total</b>        |                       | <b>\$706,090</b>    | <b>\$0</b>          | <b>\$0</b>          | <b>\$5,000,000</b>  | <b>\$25,000,000</b> | <b>\$25,000,000</b> | <b>\$0</b>         | <b>\$0</b>       | <b>\$0</b>         | <b>\$55,706,090</b>  |
| Sheriff-Technology Upgrade                         | COPS/Bank Financing   | \$0                 | \$599,900           | \$0                 | \$0                 | \$0                 | \$599,400           | \$0                | \$0              | \$599,400          | \$1,798,700          |
| <b>Sheriff-Technology Upgrade Total</b>            |                       | <b>\$0</b>          | <b>\$599,900</b>    | <b>\$0</b>          | <b>\$0</b>          | <b>\$0</b>          | <b>\$599,400</b>    | <b>\$0</b>         | <b>\$0</b>       | <b>\$599,400</b>   | <b>\$1,798,700</b>   |
| Open Space Land Acquisition                        | County Contribution   | \$850,000           | \$300,000           | \$500,000           | \$500,000           | \$500,000           | \$500,000           | \$500,000          | \$500,000        | \$1,500,000        | \$5,650,000          |
| <b>Open Space Land Acquisition Total</b>           |                       | <b>\$850,000</b>    | <b>\$300,000</b>    | <b>\$500,000</b>    | <b>\$500,000</b>    | <b>\$500,000</b>    | <b>\$500,000</b>    | <b>\$500,000</b>   | <b>\$500,000</b> | <b>\$1,500,000</b> | <b>\$5,650,000</b>   |
| New Hope Creek - Hollow Rock                       | County Contribution   | \$375,000           | \$50,000            | \$0                 | \$0                 | \$0                 | \$0                 | \$0                | \$0              | \$0                | \$425,000            |
|  | COPS/Bank Financing   | \$0                 | \$0                 | \$360,000           | \$0                 | \$0                 | \$0                 | \$0                | \$0              | \$0                | \$360,000            |
|  | Miscellaneous Revenue | \$1,239,000         | \$0                 | \$0                 | \$0                 | \$0                 | \$0                 | \$0                | \$0              | \$0                | \$1,239,000          |
| <b>New Hope Creek - Hollow Rock Total</b>          |                       | <b>\$1,614,000</b>  | <b>\$50,000</b>     | <b>\$360,000</b>    | <b>\$0</b>          | <b>\$0</b>          | <b>\$0</b>          | <b>\$0</b>         | <b>\$0</b>       | <b>\$0</b>         | <b>\$2,024,000</b>   |
| Utility Performance Contract                       | COPS/Bank Financing   | \$0                 | \$2,500,000         | \$2,500,000         | \$0                 | \$0                 | \$0                 | \$0                | \$0              | \$0                | \$5,000,000          |
| <b>Utility Performance Contract Total</b>          |                       | <b>\$0</b>          | <b>\$2,500,000</b>  | <b>\$2,500,000</b>  | <b>\$0</b>          | <b>\$0</b>          | <b>\$0</b>          | <b>\$0</b>         | <b>\$0</b>       | <b>\$0</b>         | <b>\$5,000,000</b>   |

**Durham County 2012-2021 Capital Improvement Plan  
Funding Source Summary**

| Project  | Detail                   | Prior Years          | 2011-12             | 2012-13             | 2013-14             | 2014-15             | 2015-16             | 2016-17             | 2017-18            | 2019-21             | Grand Total          |
|--|--------------------------|----------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|--------------------|---------------------|----------------------|
| Human Services Complex                                 | County Contribution      | \$1,551,130          | \$0                 | \$0                 | \$0                 | \$0                 | \$0                 | \$0                 | \$0                | \$0                 | \$1,551,130          |
|  | Two Thirds Bonds         | \$6,395,512          | \$0                 | \$0                 | \$0                 | \$0                 | \$0                 | \$0                 | \$0                | \$0                 | \$6,395,512          |
|  | COPS/Bank Financing      | \$82,000,000         | \$0                 | \$0                 | \$0                 | \$0                 | \$0                 | \$0                 | \$0                | \$0                 | \$82,000,000         |
| <b>Human Services Complex Total</b>                    |                          | <b>\$89,946,642</b>  | <b>\$0</b>          | <b>\$0</b>          | <b>\$0</b>          | <b>\$0</b>          | <b>\$0</b>          | <b>\$0</b>          | <b>\$0</b>         | <b>\$0</b>          | <b>\$89,946,642</b>  |
| Durham Public Schools                                  | County Contribution      | \$6,000,000          | \$0                 | \$0                 | \$0                 | \$0                 | \$0                 | \$0                 | \$0                | \$0                 | \$6,000,000          |
|  | General Obligation Bonds | \$193,448,205        | \$0                 | \$0                 | \$0                 | \$0                 | \$0                 | \$0                 | \$0                | \$0                 | \$193,448,205        |
|  | Two Thirds Bonds         | \$6,650,000          | \$0                 | \$0                 | \$0                 | \$0                 | \$0                 | \$0                 | \$0                | \$0                 | \$6,650,000          |
|  | COPS/Bank Financing      | \$9,550,000          | \$0                 | \$0                 | \$0                 | \$0                 | \$0                 | \$0                 | \$0                | \$0                 | \$9,550,000          |
| <b>Durham Public Schools Total</b>                     |                          | <b>\$215,648,205</b> | <b>\$0</b>          | <b>\$0</b>          | <b>\$0</b>          | <b>\$0</b>          | <b>\$0</b>          | <b>\$0</b>          | <b>\$0</b>         | <b>\$0</b>          | <b>\$215,648,205</b> |
| NCMLS - Classroom & Exhibit Refurb.                    | County Contribution      | \$0                  | \$0                 | \$0                 | \$0                 | \$46,856            | \$399,933           | \$478,423           | \$244,334          | \$0                 | \$1,169,546          |
| <b>NCMLS - Classroom &amp; Exhibit Refurb. Total</b>   |                          | <b>\$0</b>           | <b>\$0</b>          | <b>\$0</b>          | <b>\$0</b>          | <b>\$46,856</b>     | <b>\$399,933</b>    | <b>\$478,423</b>    | <b>\$244,334</b>   | <b>\$0</b>          | <b>\$1,169,546</b>   |
| NCMLS - Deferred Maintenance                           | COPS/Bank Financing      | \$0                  | \$0                 | \$0                 | \$0                 | \$2,045,410         | \$3,432,844         | \$0                 | \$0                | \$0                 | \$5,478,254          |
| <b>NCMLS - Deferred Maintenance Total</b>              |                          | <b>\$0</b>           | <b>\$0</b>          | <b>\$0</b>          | <b>\$0</b>          | <b>\$2,045,410</b>  | <b>\$3,432,844</b>  | <b>\$0</b>          | <b>\$0</b>         | <b>\$0</b>          | <b>\$5,478,254</b>   |
| Main Library Renovations                               | County Contribution      | \$300,000            | \$0                 | \$0                 | \$0                 | \$0                 | \$0                 | \$0                 | \$0                | \$0                 | \$300,000            |
|  | Two Thirds Bonds         | \$500,000            | \$0                 | \$0                 | \$0                 | \$0                 | \$0                 | \$0                 | \$0                | \$0                 | \$500,000            |
|  | COPS/Bank Financing      | \$0                  | \$0                 | \$0                 | \$0                 | \$2,242,860         | \$7,404,904         | \$6,926,602         | \$0                | \$0                 | \$16,574,365         |
| <b>Main Library Renovations Total</b>                  |                          | <b>\$800,000</b>     | <b>\$0</b>          | <b>\$0</b>          | <b>\$0</b>          | <b>\$2,242,860</b>  | <b>\$7,404,904</b>  | <b>\$6,926,602</b>  | <b>\$0</b>         | <b>\$0</b>          | <b>\$17,374,365</b>  |
| Waste Water Treatment Plant Improvements               | Enterprise Fund          | \$231,783            | \$0                 | \$0                 | \$0                 | \$0                 | \$0                 | \$0                 | \$0                | \$0                 | \$231,783            |
|  | Miscellaneous Revenue    | \$0                  | \$11,589,000        | \$0                 | \$0                 | \$0                 | \$0                 | \$0                 | \$0                | \$0                 | \$11,589,000         |
| <b>Waste Water Treatment Plant Improvements Total</b>  |                          | <b>\$231,783</b>     | <b>\$11,589,000</b> | <b>\$0</b>          | <b>\$0</b>          | <b>\$0</b>          | <b>\$0</b>          | <b>\$0</b>          | <b>\$0</b>         | <b>\$0</b>          | <b>\$11,820,783</b>  |
| Collection System Rehabilitation                       | Enterprise Fund          | \$2,400,000          | \$1,000,000         | \$500,000           | \$500,000           | \$500,000           | \$500,000           | \$500,000           | \$500,000          | \$1,500,000         | \$7,900,000          |
| <b>Collection System Rehabilitation Total</b>          |                          | <b>\$2,400,000</b>   | <b>\$1,000,000</b>  | <b>\$500,000</b>    | <b>\$500,000</b>    | <b>\$500,000</b>    | <b>\$500,000</b>    | <b>\$500,000</b>    | <b>\$500,000</b>   | <b>\$1,500,000</b>  | <b>\$7,900,000</b>   |
| Reused Waste Water Facility                            | Enterprise Fund          | \$750,000            | \$0                 | \$0                 | \$200,000           | \$400,000           | \$0                 | \$0                 | \$0                | \$0                 | \$1,350,000          |
|  | Miscellaneous Revenue    | \$4,550,000          | \$0                 | \$0                 | \$0                 | \$0                 | \$0                 | \$0                 | \$0                | \$0                 | \$4,550,000          |
|  | Revenue Bonds            | \$0                  | \$0                 | \$0                 | \$0                 | \$2,000,000         | \$0                 | \$0                 | \$0                | \$0                 | \$2,000,000          |
| <b>Reused Waste Water Facility Total</b>               |                          | <b>\$5,300,000</b>   | <b>\$0</b>          | <b>\$0</b>          | <b>\$200,000</b>    | <b>\$2,400,000</b>  | <b>\$0</b>          | <b>\$0</b>          | <b>\$0</b>         | <b>\$0</b>          | <b>\$7,900,000</b>   |
| Sludge Energy Recovery & Solar Drying                  | Enterprise Fund          | \$0                  | \$0                 | \$0                 | \$0                 | \$0                 | \$0                 | \$250,000           | \$250,000          | \$0                 | \$500,000            |
|  | Revenue Bonds            | \$0                  | \$0                 | \$0                 | \$0                 | \$0                 | \$0                 | \$0                 | \$0                | \$14,500,000        | \$14,500,000         |
| <b>Sludge Energy Recovery &amp; Solar Drying Total</b> |                          | <b>\$0</b>           | <b>\$0</b>          | <b>\$0</b>          | <b>\$0</b>          | <b>\$0</b>          | <b>\$0</b>          | <b>\$250,000</b>    | <b>\$250,000</b>   | <b>\$14,500,000</b> | <b>\$15,000,000</b>  |
| <b>Grand Total</b>                                     |                          | <b>\$394,462,812</b> | <b>\$69,816,720</b> | <b>\$25,183,169</b> | <b>\$18,448,787</b> | <b>\$39,888,769</b> | <b>\$47,119,081</b> | <b>\$12,516,025</b> | <b>\$1,794,334</b> | <b>\$24,157,609</b> | <b>\$633,387,306</b> |

# Capital Financing Plan Model

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Once the types and amounts of debt and capital spending were decided on, it became necessary to estimate where and how much revenue would be needed from Durham County to support the capital projects planned and implemented. A capital finance plan model was created to estimate the amount and type of revenue that would be available to pay for the capital improvement plan. This model is included in the CIP document and shows various types of revenues, including property taxes, needed over the next ten years (although most types of debt payments extend out 20 to 25 years).

While the capital financing plan model is filled with numbers, it is not as complicated as it may initially seem. The top half of the plan shows the current debt (debt incurred previous to fiscal year 2011-12), estimated new debt (debt incurred as part of the CIP), county contribution, and reductions from the total debt (Enterprise Fund debt, which is supported by revenues created in that fund, and Industrial Incentives). The end result is the expected net General Fund debt for each of the next ten years. This is the amount of debt that will have to be supported with various revenue sources, which are shown in the bottom half of the plan. It should be noted that county contribution is considered direct financial support of the CIP from the County. There are no multi-year payments associated with these funds. This amount is set each year by the Board of County Commissioners through the adoption of the annual budget, and can be changed as new projects are added to the CIP, or as other unknown factors dictate.

Revenues to support the net General Fund debt are largely dictated by the Capital Financing Policy initially adopted by the Board of County Commissioners in March, 1989, which outlines several revenue sources to be specifically used for capital projects and debt related to capital projects. They are:

- Article 40 and Article 42 one-half cent sales taxes;
- The county's share of the occupancy tax;
- Countywide property taxes;
- Enterprise revenues;
- Interest income.

These revenues are shown on the bottom half of the capital financing plan model along with several other smaller revenue sources, including transfers from other funds, and lease payments.

Several new revenue sources have been added to the mix since the last CIP update as Durham County is always looking for funding sources other than property tax to help support capital needs. Agreements with Durham Public Schools (DPS) have allowed the use of lottery fund to offset DPS related debt, Community Health Trust Fund revenue (payments by Duke University for leasing Durham Regional Hospital) is planned to offset debt service costs for the Human Services Complex project and other health related projects, and SWAP fund earnings.



One final value shown in the model as revenue is revenue from parking decks servicing the American Tobacco complex. This revenue is subtracted from the amount of property tax funds needed, and therefore decreases the amount of property tax “dedicated” to the CIP.

The last portion of the capital financing plan model shows the amount of property tax which would be needed to fully support current and new debt related to the CIP, along with the estimated value of one cent on the property tax rate. By dividing those two numbers an estimated amount of property tax needed to support the CIP can be calculated. This “dedicated” property tax can and will change as future estimates for other revenues change.

In developing a model that extends out ten years, several assumptions were made. Estimates as to how much newly incurred debt would cost on a yearly basis were developed with the help of the County’s outside financial consultants and the Finance department. Estimates on expected revenue collection were based on trends over the last ten years, assessment of present and future local economic variables, and known countywide revaluation years.

The revenue assumptions used for the capital financing plan model were:

| Revenue  | FY 2011-12 | Future Years |
|--|------------|--------------|
| Occupancy tax growth rate                                      | 2%         | 3.0%         |
| Sales tax growth rate  | 1%         | 3%           |
| Non-revaluation property tax growth rate                       | 1.29%      | 1.0%         |
| Revaluation property tax growth rate (based on a 4 year cycle) | 5%         | 5%           |

*These assumptions will be updated and changed as trends dictate.*

The amount of property tax “dedicated” to the capital improvement plan financing will change in future years as assumptions about debt costs, amount of debt, and amount and types of revenues become known. As has been stated before, this is a plan, and is therefore subject to change.

## Durham County Capital Finance Model

| Description                 | FY 2012             | FY 2013             | FY 2014             | FY 2015             | FY 2016             | FY 2017             | FY 2018             | FY 2019             | FY 2020             | FY 2021             |
|-----------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Current G.F. Debt           | \$47,380,606        | \$43,250,344        | \$38,144,257        | \$36,606,175        | \$35,119,151        | \$33,946,606        | \$32,822,678        | \$30,814,383        | \$29,094,506        | \$28,323,180        |
| Current Enterprise Debt     | \$2,145,947         | \$2,107,184         | \$2,061,161         | \$2,020,572         | \$1,864,765         | \$1,294,709         | \$1,263,500         | \$1,264,250         | \$1,268,000         | \$1,264,500         |
| <b>Current Debt Service</b> | <b>\$49,526,553</b> | <b>\$45,357,528</b> | <b>\$40,205,418</b> | <b>\$38,626,746</b> | <b>\$36,983,916</b> | <b>\$35,241,316</b> | <b>\$34,086,178</b> | <b>\$32,078,633</b> | <b>\$30,362,506</b> | <b>\$29,587,680</b> |
| <b>New Debt</b>             | <b>\$4,924,544</b>  | <b>\$14,650,344</b> | <b>\$31,052,155</b> | <b>\$32,446,305</b> | <b>\$33,371,282</b> | <b>\$37,686,002</b> | <b>\$38,643,178</b> | <b>\$38,349,934</b> | <b>\$38,265,781</b> | <b>\$36,756,864</b> |

|                            |                    |                    |                    |                    |                    |                  |                    |                    |                  |                    |
|----------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|------------------|--------------------|--------------------|------------------|--------------------|
| <b>County Contribution</b> | <b>\$1,998,100</b> | <b>\$1,784,601</b> | <b>\$1,949,601</b> | <b>\$2,879,356</b> | <b>\$1,249,933</b> | <b>\$978,423</b> | <b>\$1,044,334</b> | <b>\$1,306,000</b> | <b>\$500,000</b> | <b>\$1,993,209</b> |
|----------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|------------------|--------------------|--------------------|------------------|--------------------|

|                              |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |
|------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| <b>Total Crnt./New Debt.</b> | <b>\$56,449,198</b> | <b>\$61,792,473</b> | <b>\$73,207,174</b> | <b>\$73,952,408</b> | <b>\$71,605,131</b> | <b>\$73,905,741</b> | <b>\$73,773,691</b> | <b>\$71,734,567</b> | <b>\$69,128,287</b> | <b>\$68,337,754</b> |
|------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|

|                         |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |
|-------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Minus Enterprise Fund   | \$2,145,947        | \$2,107,184        | \$2,061,161        | \$2,020,572        | \$1,864,765        | \$1,294,709        | \$1,263,500        | \$1,264,250        | \$1,268,000        | \$1,264,500        |
| <b>Total Reductions</b> | <b>\$2,145,947</b> | <b>\$2,107,184</b> | <b>\$2,061,161</b> | <b>\$2,020,572</b> | <b>\$1,864,765</b> | <b>\$1,294,709</b> | <b>\$1,263,500</b> | <b>\$1,264,250</b> | <b>\$1,268,000</b> | <b>\$1,264,500</b> |

|                                 |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |
|---------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| <b>Net Gen. Fund (CFP) Debt</b> | <b>\$54,303,250</b> | <b>\$59,685,289</b> | <b>\$71,146,013</b> | <b>\$71,931,836</b> | <b>\$69,740,366</b> | <b>\$72,611,032</b> | <b>\$72,510,191</b> | <b>\$70,470,317</b> | <b>\$67,860,287</b> | <b>\$67,073,254</b> |
|---------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|

| Revenues                     | FY 2012             | FY 2013             | FY 2014             | FY 2015             | FY 2016             | FY 2017             | FY 2018             | FY 2019             | FY 2020             | FY 2021             |
|------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Carmichael Lease (GF)        | \$0                 | \$0                 | \$0                 | \$0                 | \$0                 | \$0                 | \$0                 | \$0                 | \$0                 | \$0                 |
| Property Sale                | \$6,681,697         | \$0                 | \$0                 | \$0                 | \$0                 | \$0                 | \$0                 | \$0                 | \$0                 | \$0                 |
| Interest Income              | \$130,000           | \$660,000           | \$660,000           | \$210,000           | \$210,000           | \$210,000           | \$210,000           | \$210,000           | \$210,000           | \$210,000           |
| 1/2 cent Sales 1             | \$8,576,782         | \$8,834,085         | \$9,099,108         | \$9,372,081         | \$9,700,104         | \$10,039,608        | \$10,390,994        | \$10,754,679        | \$11,131,093        | \$11,520,681        |
| 1/2 cent Sales 2             | \$10,704,650        | \$11,025,790        | \$11,356,563        | \$11,697,260        | \$12,106,664        | \$12,530,397        | \$12,968,961        | \$13,422,875        | \$13,892,676        | \$14,378,919        |
| Occupancy Taxes              | \$1,989,000         | \$2,073,670         | \$2,135,130         | \$2,248,434         | \$2,313,637         | \$2,380,796         | \$2,449,970         | \$2,521,219         | \$2,519,606         | \$2,595,194         |
| Am. Tob.Parking Rev.         | \$387,550           | \$392,218           | \$423,929           | \$423,929           | \$423,929           | \$423,929           | \$423,929           | \$423,929           | \$423,929           | \$423,929           |
| New Justice Cent. Parking    | \$0                 | \$1,213,980         | \$1,213,980         | \$1,213,980         | \$1,213,980         | \$1,213,980         | \$1,213,980         | \$1,213,980         | \$1,213,980         | \$1,213,980         |
| Build America Bond Refund    | \$518,221           | \$518,221           | \$518,221           | \$518,221           | \$518,221           | \$518,221           | \$518,221           | \$518,221           | \$498,409           | \$458,416           |
| Com. Health Trust Fund       | \$2,173,499         | \$0                 | \$3,935,820         | \$2,552,000         | \$0                 | \$0                 | \$0                 | \$0                 | \$0                 | \$0                 |
| Debt Service FB Appropri.    | \$3,130,205         | \$1,000,000         | \$988,098           | \$1,000,000         | \$250,000           | \$250,000           | \$250,000           | \$250,000           | \$250,000           | \$250,000           |
| Cap. Fund Bal. Appropri.     | \$100,000           | \$250,000           | \$250,000           | \$250,000           | \$250,000           | \$250,000           | \$250,000           | \$250,000           | \$250,000           | \$250,000           |
| General Fund Transfer        | \$0                 | \$0                 | \$0                 | \$560,304           | \$560,435           | \$560,573           | \$560,718           | \$560,871           | \$561,031           | \$561,199           |
| Lottery Funds                | \$1,017,500         | \$0                 | \$0                 | \$0                 | \$0                 | \$0                 | \$0                 | \$0                 | \$0                 | \$0                 |
| SWAP Funds                   | \$1,550,000         | \$1,200,000         | \$1,200,000         | \$750,000           | \$750,000           | \$750,000           | \$750,000           | \$750,000           | \$750,000           | \$750,000           |
| <b>Net Revenue Available</b> | <b>\$36,959,104</b> | <b>\$27,167,963</b> | <b>\$31,780,849</b> | <b>\$30,796,209</b> | <b>\$28,296,970</b> | <b>\$29,127,504</b> | <b>\$29,986,773</b> | <b>\$30,875,774</b> | <b>\$31,700,723</b> | <b>\$32,612,319</b> |

|                     |              |              |              |              |              |              |              |              |              |              |
|---------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Property Tax Needed | \$17,344,146 | \$32,517,326 | \$39,365,163 | \$41,135,627 | \$41,443,396 | \$43,483,527 | \$42,523,417 | \$39,594,543 | \$36,159,564 | \$34,460,935 |
|---------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|

|                     |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |
|---------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| <b>1 CENT Value</b> | <b>\$2,917,583</b> | <b>\$2,946,759</b> | <b>\$2,976,227</b> | <b>\$3,125,038</b> | <b>\$3,187,539</b> | <b>\$3,251,290</b> | <b>\$3,316,315</b> | <b>\$3,482,131</b> | <b>\$3,551,774</b> | <b>\$3,622,809</b> |
|---------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|

|   |             |              |              |              |              |              |              |              |              |             |
|---|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------|
| <b>Total Cents Dedicated to Capital Financing</b> | <b>5.94</b> | <b>11.03</b> | <b>13.23</b> | <b>13.16</b> | <b>13.00</b> | <b>13.37</b> | <b>12.82</b> | <b>11.37</b> | <b>10.18</b> | <b>9.51</b> |
|---|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------|

### Revenue Assumptions:

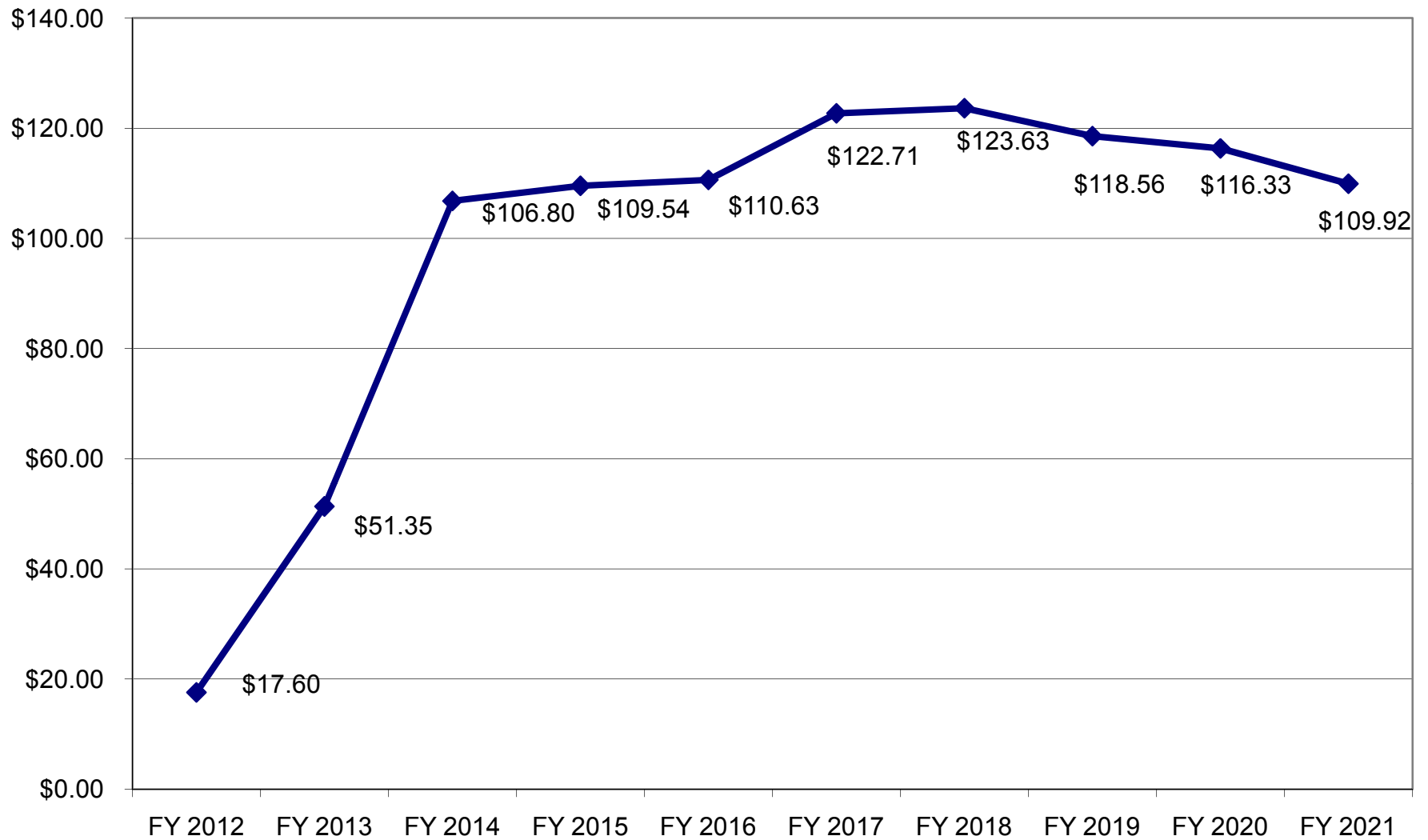
Property Tax Growth is estimated at 1% for non-revaluation years in the future, next reval in FY 2014-15, after reval growth for non-reval years is 2%

\*Revaluation Property Tax Growth Rate 5% through the next revaluation effective 1/1/14, and for each five year revaluation after that at 5%

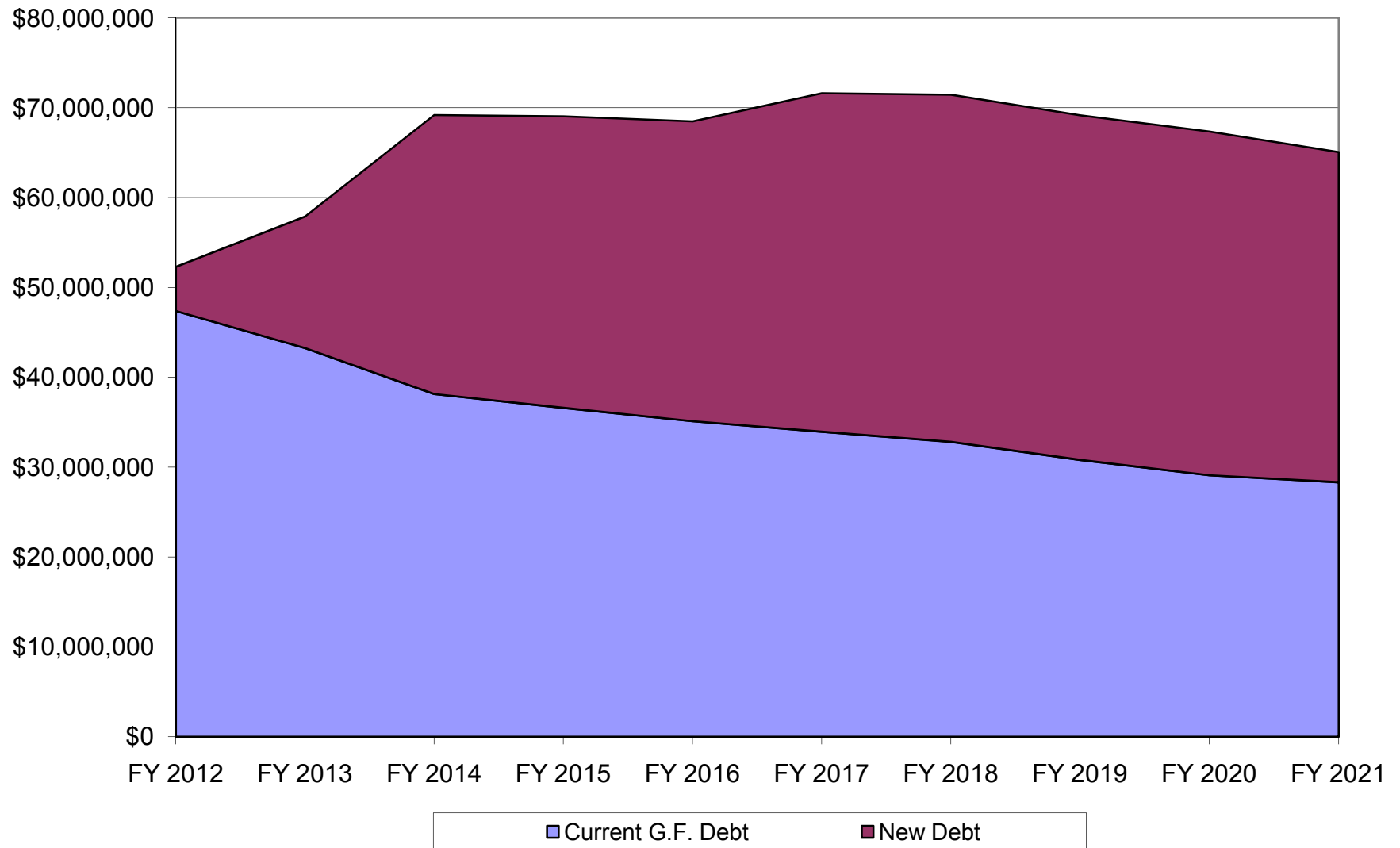
\*FY 11-12 Sales Tax growth is estimated at 1% a year, after that 3%

\*FY 11-12 Occupancy Tax growth is estimated at 2%, after that 3%

## 2012-2021 Capital Improvement Plan New Debt Service Per Capita



## 2012-2021 Capital Improvement Plan Existing and New Debt Service





## **General Fund**

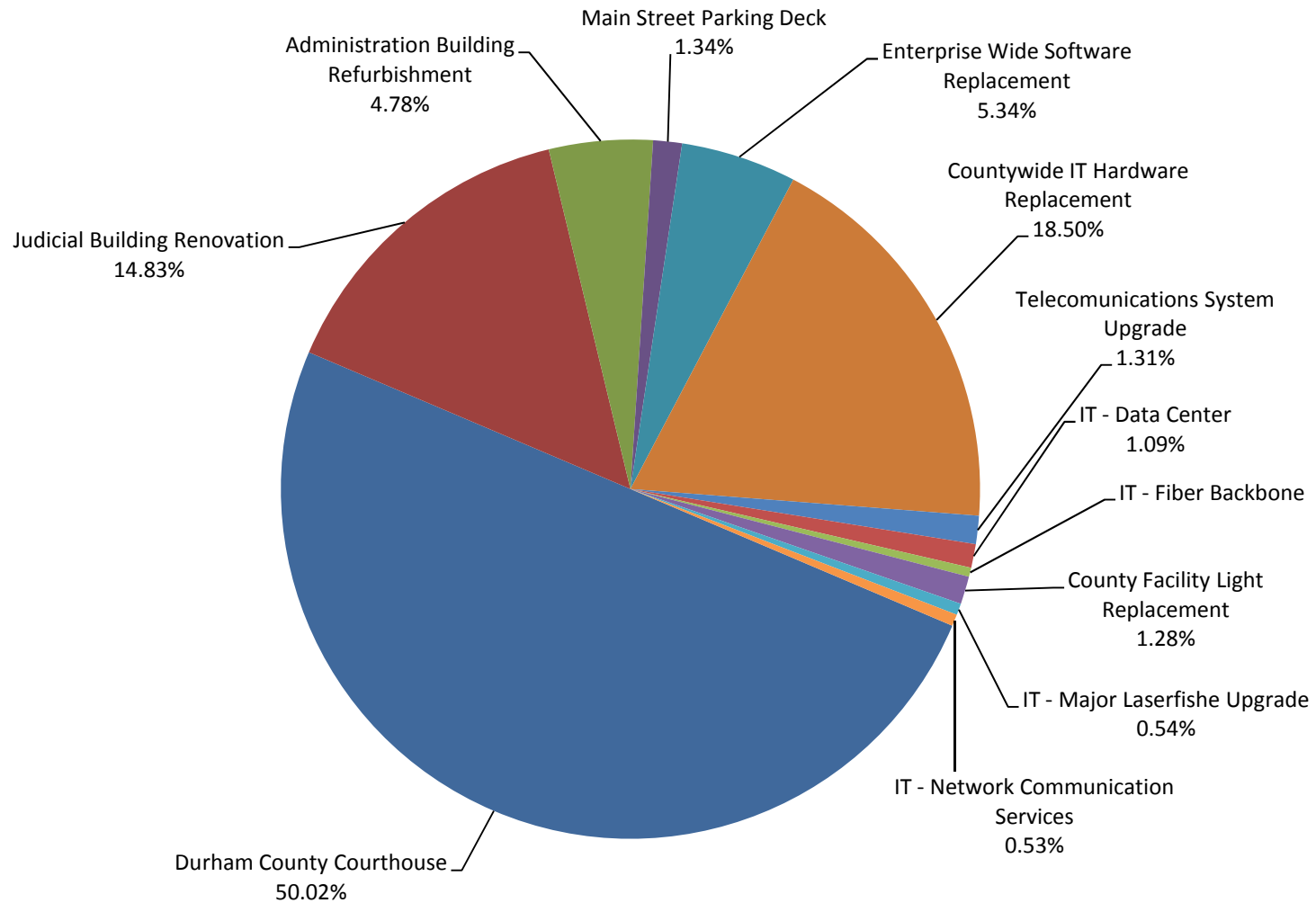
A governmental fund used to account for all financial resources except those required to be accounted for in another fund either by law or by reason of administrative control.



## **General Government**

A function of local government charged with expenditures of the legislative and executive branches including staff departments.

## 2012-2021 Capital Improvement Plan General Government Projects



## Durham County Courthouse

| Project Cost Estimates | Prior Years         | 2011-12             | 2012-13             | 2013-14    | 2014-15    | 2015-16    | 2016-17    | 2017-18    | 2018-19    | 2019-20    | 2020-21    | Total Project        |
|------------------------|---------------------|---------------------|---------------------|------------|------------|------------|------------|------------|------------|------------|------------|----------------------|
| Planning               | \$8,961,421         | \$1,489,752         | \$372,438           |            |            |            |            |            |            |            |            | \$10,823,611         |
| Land Acquisition       | \$8,456,818         |                     |                     |            |            |            |            |            |            |            |            | \$8,456,818          |
| Construction           | \$38,497,400        | \$27,567,700        | \$8,908,900         |            |            |            |            |            |            |            |            | \$74,974,000         |
| Equip/Furnishings      | \$1,790,200         | \$9,545,242         | \$2,100,000         |            |            |            |            |            |            |            |            | \$13,435,442         |
| Other                  | \$3,022,666         | \$1,572,666         | \$1,572,666         |            |            |            |            |            |            |            |            | \$6,167,999          |
| Contingencies          | \$2,788,586         | \$1,750,000         | \$750,000           |            |            |            |            |            |            |            |            | \$5,288,586          |
| <b>Project Total</b>   | <b>\$63,517,091</b> | <b>\$41,925,360</b> | <b>\$13,704,004</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$119,146,455</b> |

| Funding Sources          |                     |                     |                     |            |            |            |            |            |            |            |            |                      |
|--------------------------|---------------------|---------------------|---------------------|------------|------------|------------|------------|------------|------------|------------|------------|----------------------|
| County Contribution      | \$6,668,818         |                     |                     |            |            |            |            |            |            |            |            | \$6,668,818          |
| General Obligation Bonds | \$0                 |                     |                     |            |            |            |            |            |            |            |            | \$0                  |
| Two Thirds Bonds         | \$7,627,637         |                     |                     |            |            |            |            |            |            |            |            | \$7,627,637          |
| COPS/Bank Financing      | \$49,220,636        | \$41,925,360        | \$13,704,004        |            |            |            |            |            |            |            |            | \$104,850,000        |
| Enterprise Fund          | \$0                 |                     |                     |            |            |            |            |            |            |            |            | \$0                  |
| Revenue Bonds            | \$0                 |                     |                     |            |            |            |            |            |            |            |            | \$0                  |
| Miscellaneous Revenue    | \$0                 |                     |                     |            |            |            |            |            |            |            |            | \$0                  |
| <b>Funding Total</b>     | <b>\$63,517,091</b> | <b>\$41,925,360</b> | <b>\$13,704,004</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$119,146,455</b> |

| Operating Impact        |            |            |            |            |            |            |            |            |            |            |            |            |
|-------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Additional Expenses     | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        |
| Minus Savings           | \$0        |            |            |            |            |            |            |            |            |            |            | \$0        |
| Net Additional Expenses | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        |
| Minus New Revenues      | \$0        |            |            |            |            |            |            |            |            |            |            | \$0        |
| <b>Operating Total</b>  | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> |

**Function: General Government**

**Department: Engineering**

**Project Description:** As part of the Durham County Facility Master Plan completed in 2000 and amended in 2003, a new Durham County Courthouse and Parking Structure was identified as the highest priority building need for the County. Offices housed in the new building include: Office of the Sheriff, Clerk of Courts, District Court, Superior Court, Public Defender's Office, District Attorney's Office, and Trial Court Administration. Representatives of Community Corrections, Criminal Justice Resource Center, Juvenile Justice, Guardian Ad Litem and building support will also be located in the building. This project includes construction of a new 318,533 square foot, eleven-story building of steel frame construction, natural stone and precast concrete exterior wall and a new 298,600 square foot, 897 spaces, five level parking deck of precast concrete construction. The new Durham County Courthouse will be a "Leadership in Energy and Environmental Design (LEED) Gold" building located adjacent to the Durham County Detention Center.



## Judicial Building Renovations

| Project Cost Estimates | Prior Years        | 2011-12          | 2012-13            | 2013-14             | 2014-15    | 2015-16    | 2016-17    | 2017-18    | 2018-19    | 2019-20    | 2020-21    | Total Project       |
|------------------------|--------------------|------------------|--------------------|---------------------|------------|------------|------------|------------|------------|------------|------------|---------------------|
| Planning               | \$1,469,701        | \$374,884        | \$347,029          | \$173,514           |            |            |            |            |            |            |            | \$2,365,128         |
| Land Acquisition       | \$0                |                  |                    |                     |            |            |            |            |            |            |            | \$0                 |
| Construction           | \$1,009,411        |                  | \$4,001,281        | \$8,484,491         |            |            |            |            |            |            |            | \$13,495,183        |
| Equip/Furnishings      | \$70,000           |                  |                    | \$634,407           |            |            |            |            |            |            |            | \$704,407           |
| Other                  | \$0                |                  |                    | \$1,081,773         |            |            |            |            |            |            |            | \$1,081,773         |
| Contingencies          | \$154,877          | \$37,488         | \$1,362,255        |                     |            |            |            |            |            |            |            | \$1,554,620         |
| <b>Project Total</b>   | <b>\$2,703,989</b> | <b>\$412,372</b> | <b>\$5,710,564</b> | <b>\$10,374,186</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$19,201,111</b> |

| Funding Sources          |                    |            |                    |                     |            |            |            |            |            |            |            |                     |
|--------------------------|--------------------|------------|--------------------|---------------------|------------|------------|------------|------------|------------|------------|------------|---------------------|
| County Contribution      | \$546,592          |            |                    |                     |            |            |            |            |            |            |            | \$546,592           |
| General Obligation Bonds | \$0                |            |                    |                     |            |            |            |            |            |            |            | \$0                 |
| Two Thirds Bonds         | \$605,142          |            |                    |                     |            |            |            |            |            |            |            | \$605,142           |
| COPS/Bank Financing      | \$1,964,627        |            | \$5,710,564        | \$10,374,186        |            |            |            |            |            |            |            | \$18,049,377        |
| Enterprise Fund          | \$0                |            |                    |                     |            |            |            |            |            |            |            | \$0                 |
| Revenue Bonds            | \$0                |            |                    |                     |            |            |            |            |            |            |            | \$0                 |
| Miscellaneous Revenue    | \$0                |            |                    |                     |            |            |            |            |            |            |            | \$0                 |
| <b>Funding Total</b>     | <b>\$3,116,361</b> | <b>\$0</b> | <b>\$5,710,564</b> | <b>\$10,374,186</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$19,201,111</b> |

| Operating Impact        |            |            |            |                  |                  |                  |                  |                  |                  |             |            |                    |
|-------------------------|------------|------------|------------|------------------|------------------|------------------|------------------|------------------|------------------|-------------|------------|--------------------|
| Additional Expenses     | \$0        | \$0        | \$0        | \$622,912        | \$1,257,148      | \$1,902,710      | \$1,936,685      | \$1,970,502      | \$2,004,351      | \$1,347,464 | \$679,411  | \$11,721,182       |
| Minus Savings           | \$0        |            |            |                  |                  |                  |                  |                  |                  |             |            | \$0                |
| Net Additional Expenses | \$0        | \$0        | \$0        | \$622,912        | \$634,237        | \$645,562        | \$656,887        | \$668,054        | \$679,411        | \$0         | \$0        | \$3,907,061        |
| Minus New Revenues      | \$0        |            |            |                  |                  |                  |                  |                  |                  |             |            | \$0                |
| <b>Operating Total</b>  | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$622,912</b> | <b>\$634,237</b> | <b>\$645,562</b> | <b>\$656,887</b> | <b>\$668,054</b> | <b>\$679,411</b> | <b>\$0</b>  | <b>\$0</b> | <b>\$3,907,061</b> |

### Function: General Government

### Department: Engineering

**Project Description:** After the opening of the new Durham County Courthouse, the Judicial Building located at 201 East Main Street will be renovated. The Judicial Building, which currently houses many court-related activities and offices, is planned as an office building for expansion of functions currently housed in the Old Courthouse, Agricultural Building, and leased space, including Register of Deeds, Tax Administration, Fire Marshal, Emergency Management, Cooperative Extension, and Veteran Services. These uses would leave the equivalent of one floor of the existing Judicial Building available for future growth and expansion. This project provided funds in earlier years for retrofitting existing space that will be empty as some court functions moved to the Judicial Center Annex. Also, it included upgrading and modernizing the two public/passenger elevators located at the south side of the building.

The current building configuration does not meet the needs of the departments and agencies being relocated into the building. Also, the completion of this project is required to provide a safe work environment, improve service delivery, provide reliable elevators, comply with applicable codes, reduce maintenance costs, and increase the building's useful life.

The timing of this project has been adjusted so that work will begin when court functions relocate to the new Durham County Courthouse. Expected completion of these renovations will occur in FY 2013-14.

## Administration Building Refurbishment

| Project Cost Estimates | Prior Years        | 2011-12    | 2012-13          | 2013-14    | 2014-15            | 2015-16    | 2016-17    | 2017-18    | 2018-19    | 2019-20    | 2020-21    | Total Project      |
|------------------------|--------------------|------------|------------------|------------|--------------------|------------|------------|------------|------------|------------|------------|--------------------|
| Planning               | \$54,500           |            |                  |            | \$531,744          |            |            |            |            |            |            | \$586,244          |
| Land Acquisition       | \$0                |            |                  |            |                    |            |            |            |            |            |            | \$0                |
| Construction           | \$1,670,000        |            | \$500,000        |            | \$3,544,958        |            |            |            |            |            |            | \$5,714,958        |
| Equip/Furnishings      | \$0                |            |                  |            | \$212,697          |            |            |            |            |            |            | \$212,697          |
| Other                  | \$0                |            |                  |            |                    |            |            |            |            |            |            | \$0                |
| Contingencies          | \$100,500          |            |                  |            | \$531,744          |            |            |            |            |            |            | \$632,244          |
| <b>Project Total</b>   | <b>\$1,825,000</b> | <b>\$0</b> | <b>\$500,000</b> | <b>\$0</b> | <b>\$4,821,143</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$7,146,143</b> |

| Funding Sources          |                    |            |                  |            |                    |            |            |            |            |            |            |                    |
|--------------------------|--------------------|------------|------------------|------------|--------------------|------------|------------|------------|------------|------------|------------|--------------------|
| County Contribution      | \$1,125,000        |            | \$500,000        |            |                    |            |            |            |            |            |            | \$1,625,000        |
| General Obligation Bonds | \$0                |            |                  |            |                    |            |            |            |            |            |            | \$0                |
| Two Thirds Bonds         | \$700,000          |            |                  |            |                    |            |            |            |            |            |            | \$700,000          |
| COPS/Bank Financing      | \$0                |            |                  |            | \$4,821,143        |            |            |            |            |            |            | \$4,821,143        |
| Enterprise Fund          | \$0                |            |                  |            |                    |            |            |            |            |            |            | \$0                |
| Revenue Bonds            | \$0                |            |                  |            |                    |            |            |            |            |            |            | \$0                |
| Miscellaneous Revenue    | \$0                |            |                  |            |                    |            |            |            |            |            |            | \$0                |
| <b>Funding Total</b>     | <b>\$1,825,000</b> | <b>\$0</b> | <b>\$500,000</b> | <b>\$0</b> | <b>\$4,821,143</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$7,146,143</b> |

| Operating Impact        |            |            |            |            |            |            |            |            |            |            |            |            |
|-------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Additional Expenses     | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        |
| Minus Savings           | \$0        |            |            |            |            |            |            |            |            |            |            | \$0        |
| Net Additional Expenses | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        |
| Minus New Revenues      | \$0        |            |            |            |            |            |            |            |            |            |            | \$0        |
| <b>Operating Total</b>  | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> |

**Function: General Government**

**Department: Engineering**

**Project Description:** The Administration Building, located at 200 East Main Street, originally was built in the 1920s and a large renovation was completed in 1991. This project is to refurbish or replace items that may have worn out or outgrown their useful life. In FY 2008-09, this project included renovations to the building's fifth floor, including skylight replacement and data center improvements. In FY 2009-10 funds were budgeted for chiller replacement along with 5th floor office reconfiguration and fire suppression system replacement. In FY 2012-13 a boiler will be replaced. In FY 2014-15, general building repairs will include carpeting, painting, and replacing fixtures.

## Main Street Parking Deck

| Project Cost Estimates | Prior Years | 2011-12    | 2012-13    | 2013-14    | 2014-15    | 2015-16    | 2016-17    | 2017-18    | 2018-19    | 2019-20    | 2020-21            | Total Project      |
|------------------------|-------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|--------------------|--------------------|
| Planning               | \$0         |            |            |            |            |            |            |            |            |            | \$1,327,297        | \$1,327,297        |
| Land Acquisition       | \$0         |            |            |            |            |            |            |            |            |            |                    | \$0                |
| Construction           | \$0         |            |            |            |            |            |            |            |            |            |                    | \$0                |
| Equip/Furnishings      | \$0         |            |            |            |            |            |            |            |            |            |                    | \$0                |
| Other                  | \$0         |            |            |            |            |            |            |            |            |            |                    | \$0                |
| Contingencies          | \$0         |            |            |            |            |            |            |            |            |            | \$165,913          | \$165,913          |
| <b>Project Total</b>   | <b>\$0</b>  | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$1,493,209</b> | <b>\$1,493,209</b> |

| Funding Sources          |            |            |            |            |            |            |            |            |            |            |                    |                    |
|--------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|--------------------|--------------------|
| County Contribution      | \$0        |            |            |            |            |            |            |            |            |            | \$1,493,209        | \$1,493,209        |
| General Obligation Bonds | \$0        |            |            |            |            |            |            |            |            |            |                    | \$0                |
| Two Thirds Bonds         | \$0        |            |            |            |            |            |            |            |            |            |                    | \$0                |
| COPS/Bank Financing      | \$0        |            |            |            |            |            |            |            |            |            |                    | \$0                |
| Enterprise Fund          | \$0        |            |            |            |            |            |            |            |            |            |                    | \$0                |
| Revenue Bonds            | \$0        |            |            |            |            |            |            |            |            |            |                    | \$0                |
| Miscellaneous Revenue    | \$0        |            |            |            |            |            |            |            |            |            |                    | \$0                |
| <b>Funding Total</b>     | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$1,493,209</b> | <b>\$1,493,209</b> |

| Operating Impact        |            |            |            |            |            |            |            |            |            |            |            |            |
|-------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Additional Expenses     | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        |
| Minus Savings           | \$0        |            |            |            |            |            |            |            |            |            |            | \$0        |
| Net Additional Expenses | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        |
| Minus New Revenues      | \$0        |            |            |            |            |            |            |            |            |            |            | \$0        |
| <b>Operating Total</b>  | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> |

**Function: General Government**

**Department: Engineering**

**Project Description:** This project addresses the need for additional downtown parking for the public and County employees for the new Human Services Complex, renovated Judicial Building, Administration Building, and Main Library. The parking deck will provide approximately 625 spaces and will be constructed on an existing County-owned surface parking lot bordered by Main, Liberty, and Queen streets. This project budget shows only the planning phase funds budgeted in FY 2020-21, as the bulk of the project will be built outside this CIP's ten year span.

## County Facilities Light Replacement

| Project Cost Estimates | Prior Years | 2011-12          | 2012-13          | 2013-14          | 2014-15    | 2015-16    | 2016-17    | 2017-18    | 2018-19    | 2019-20    | 2020-21    | Total Project      |
|------------------------|-------------|------------------|------------------|------------------|------------|------------|------------|------------|------------|------------|------------|--------------------|
| Planning               | \$0         |                  |                  |                  |            |            |            |            |            |            |            | \$0                |
| Land Acquisition       | \$0         |                  |                  |                  |            |            |            |            |            |            |            | \$0                |
| Construction           | \$0         | \$313,268        | \$313,268        | \$313,268        |            |            |            |            |            |            |            | \$939,804          |
| Equip/Furnishings      | \$0         | \$156,634        | \$156,634        | \$156,634        |            |            |            |            |            |            |            | \$469,902          |
| Other                  | \$0         |                  |                  |                  |            |            |            |            |            |            |            | \$0                |
| Contingencies          | \$0         | \$4,699          | \$4,699          | \$4,699          |            |            |            |            |            |            |            | \$14,097           |
| <b>Project Total</b>   | <b>\$0</b>  | <b>\$474,601</b> | <b>\$474,601</b> | <b>\$474,601</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$1,423,803</b> |

| Funding Sources          |            |                  |                  |                  |            |            |            |            |            |            |            |                    |
|--------------------------|------------|------------------|------------------|------------------|------------|------------|------------|------------|------------|------------|------------|--------------------|
| County Contribution      | \$0        | \$474,601        | \$474,601        | \$474,601        |            |            |            |            |            |            |            | \$1,423,803        |
| General Obligation Bonds | \$0        |                  |                  |                  |            |            |            |            |            |            |            | \$0                |
| Two Thirds Bonds         | \$0        |                  |                  |                  |            |            |            |            |            |            |            | \$0                |
| COPS/Bank Financing      | \$0        |                  |                  |                  |            |            |            |            |            |            |            | \$0                |
| Enterprise Fund          | \$0        |                  |                  |                  |            |            |            |            |            |            |            | \$0                |
| Revenue Bonds            | \$0        |                  |                  |                  |            |            |            |            |            |            |            | \$0                |
| Miscellaneous Revenue    | \$0        |                  |                  |                  |            |            |            |            |            |            |            | \$0                |
| <b>Funding Total</b>     | <b>\$0</b> | <b>\$474,601</b> | <b>\$474,601</b> | <b>\$474,601</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$1,423,803</b> |

| Operating Impact        |            |                   |            |            |            |            |            |            |            |            |            |                   |
|-------------------------|------------|-------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------------|
| Additional Expenses     | \$0        | \$0               | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0               |
| Minus Savings           | \$0        |                   |            |            |            |            |            |            |            |            |            | \$0               |
| Net Additional Expenses | \$0        | \$0               | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0               |
| Minus New Revenues      | \$0        | \$155,780         |            |            |            |            |            |            |            |            |            | \$155,780         |
| <b>Operating Total</b>  | <b>\$0</b> | <b>-\$155,780</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>-\$155,780</b> |

**Function: General Government**

**Department: General Services**

**Project Description:** This project replaces 5,441 T-12 fluorescent light fixtures, 12,574 lamps covering approximately 577,945 square feet of County owned facilities with new and more energy efficient fluorescent fixtures. Federal regulations are phasing out existing lighting fixtures for more efficient systems with the potential of substantial energy costs savings. This project will be phased over three years.

## Enterprise Wide Software Replacement

| Project Cost Estimates | Prior Years        | 2011-12            | 2012-13          | 2013-14          | 2014-15    | 2015-16    | 2016-17            | 2017-18    | 2018-19    | 2019-20    | 2020-21    | Total Project      |
|------------------------|--------------------|--------------------|------------------|------------------|------------|------------|--------------------|------------|------------|------------|------------|--------------------|
| Planning               | \$0                |                    | \$10,000         | \$10,000         |            |            |                    |            |            |            |            | \$20,000           |
| Land Acquisition       | \$0                |                    |                  |                  |            |            |                    |            |            |            |            | \$0                |
| Construction           | \$0                |                    |                  |                  |            |            |                    |            |            |            |            | \$0                |
| Equip/Furnishings      | \$2,500,000        | \$2,000,000        |                  |                  |            |            | \$3,000,000        |            |            |            |            | \$7,500,000        |
| Other                  | \$0                |                    | \$450,000        | \$375,000        |            |            |                    |            |            |            |            | \$825,000          |
| Contingencies          | \$0                |                    | \$40,000         | \$50,000         |            |            |                    |            |            |            |            | \$90,000           |
| <b>Project Total</b>   | <b>\$2,500,000</b> | <b>\$2,000,000</b> | <b>\$500,000</b> | <b>\$435,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$3,000,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$8,435,000</b> |

| Funding Sources          |                    |                    |                  |                  |            |            |                    |            |            |            |            |                    |
|--------------------------|--------------------|--------------------|------------------|------------------|------------|------------|--------------------|------------|------------|------------|------------|--------------------|
| County Contribution      | \$0                |                    | \$10,000         | \$10,000         |            |            |                    |            |            |            |            | \$20,000           |
| General Obligation Bonds | \$0                |                    |                  |                  |            |            |                    |            |            |            |            | \$0                |
| Two Thirds Bonds         | \$0                |                    |                  |                  |            |            |                    |            |            |            |            | \$0                |
| COPS/Bank Financing      | \$2,500,000        | \$2,000,000        | \$490,000        | \$425,000        |            |            | \$3,000,000        |            |            |            |            | \$8,415,000        |
| Enterprise Fund          | \$0                |                    |                  |                  |            |            |                    |            |            |            |            | \$0                |
| Revenue Bonds            | \$0                |                    |                  |                  |            |            |                    |            |            |            |            | \$0                |
| Miscellaneous Revenue    | \$0                |                    |                  |                  |            |            |                    |            |            |            |            | \$0                |
| <b>Funding Total</b>     | <b>\$2,500,000</b> | <b>\$2,000,000</b> | <b>\$500,000</b> | <b>\$435,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$3,000,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$8,435,000</b> |

| Operating Impact        |            |            |            |            |            |            |            |            |            |            |            |            |
|-------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Additional Expenses     | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        |
| Minus Savings           | \$0        |            |            |            |            |            |            |            |            |            |            | \$0        |
| Net Additional Expenses | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        |
| Minus New Revenues      | \$0        |            |            |            |            |            |            |            |            |            |            | \$0        |
| <b>Operating Total</b>  | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> |

**Function: General Government**

**Department: Information Technology**

**Project Description:** From FY 2000-03, the County worked to identify its enterprise-wide software needs to replace accounting, budgeting, and human resources systems purchased in 1993. The SAP ERP system went live in October 2005 and is used to run the financial operations of County government including purchasing, human resources, budgeting, accounting, payroll, and training management.

To ensure continued, cost-effective support as well as enable the County to implement new SAP capabilities, SAP had its first upgrade in FY 2010-11 and will have an expansion of Human Resources functionality in FY 2011-12. Smaller functionality upgrades for Budget and Finance will occur in FY 2012-13 and FY 2013-14 with a planned system upgrade in FY 2016-17. Upon completion, the upgrades will place the County at the lowest cost maintenance support category and provide additional services to the public including Internet access in areas such as e-recruitment and e-procurement and gain additional functionality in the Business Warehouse, Finance, Human Resources, and Public Sector modules.

Prior year funding for this project includes upgrade funding for the ERP system budgeted in FY 2010-11.

# Countywide Hardware Replacement

| Project Cost Estimates | Prior Years        | 2011-12            | 2012-13            | 2013-14            | 2014-15            | 2015-16            | 2016-17            | 2017-18            | 2018-19            | 2019-20            | 2020-21            | Total Project       |
|------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------------|
| Planning               | \$0                |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    | \$0                 |
| Land Acquisition       | \$0                |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    | \$0                 |
| Construction           | \$0                |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    | \$0                 |
| Equip/Furnishings      | \$4,312,000        | \$1,791,000        | \$1,710,000        | \$1,798,000        | \$2,589,000        | \$2,151,000        | \$1,787,000        | \$1,815,000        | \$3,179,000        | \$2,076,000        | \$1,683,000        | \$24,891,000        |
| Other                  | \$0                |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    | \$0                 |
| Contingencies          | \$0                |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    | \$0                 |
| <b>Project Total</b>   | <b>\$4,312,000</b> | <b>\$1,791,000</b> | <b>\$1,710,000</b> | <b>\$1,798,000</b> | <b>\$2,589,000</b> | <b>\$2,151,000</b> | <b>\$1,787,000</b> | <b>\$1,815,000</b> | <b>\$3,179,000</b> | <b>\$2,076,000</b> | <b>\$1,683,000</b> | <b>\$24,891,000</b> |

| Funding Sources          |                    |                    |            |            |            |                    |            |            |            |                    |            |                     |
|--------------------------|--------------------|--------------------|------------|------------|------------|--------------------|------------|------------|------------|--------------------|------------|---------------------|
| County Contribution      | \$0                |                    |            |            |            |                    |            |            |            |                    |            | \$0                 |
| General Obligation Bonds | \$0                |                    |            |            |            |                    |            |            |            |                    |            | \$0                 |
| Two Thirds Bonds         | \$0                |                    |            |            |            |                    |            |            |            |                    |            | \$0                 |
| COPS/Bank Financing      | \$4,338,640        | \$7,861,360        |            |            |            | \$8,932,000        |            |            |            | \$3,759,000        |            | \$24,891,000        |
| Enterprise Fund          | \$0                |                    |            |            |            |                    |            |            |            |                    |            | \$0                 |
| Revenue Bonds            | \$0                |                    |            |            |            |                    |            |            |            |                    |            | \$0                 |
| Miscellaneous Revenue    | \$0                |                    |            |            |            |                    |            |            |            |                    |            | \$0                 |
| <b>Funding Total</b>     | <b>\$4,338,640</b> | <b>\$7,861,360</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$8,932,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$3,759,000</b> | <b>\$0</b> | <b>\$24,891,000</b> |

| Operating Impact        |            |            |            |            |            |            |            |            |            |            |            |            |
|-------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Additional Expenses     | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        |
| Minus Savings           | \$0        |            |            |            |            |            |            |            |            |            |            | \$0        |
| Net Additional Expenses | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        |
| Minus New Revenues      | \$0        |            |            |            |            |            |            |            |            |            |            | \$0        |
| <b>Operating Total</b>  | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> |

## Function: General Government

## Department: Information Technology

**Project Description:** Durham County has approximately 2,000 desktop computers, hundreds of printers, switches, routers, servers, mainframe equipment, and testing equipment as part of its Information Technology (IT) needs. The following items are included in the replacement plan and are on a 4 year or longer replacement schedule:

**Desktops and Laptops:** Replacement of computers to keep up with technological gains and to limit IT equipment repair, and provides a desktop environment that is under vendor warranty. This project also plans the replacement of laptop computers.

**Network Equipment:** Replacement of network infrastructure to keep up with technological advances and limit failures due to aging equipment.

**Servers:** Replacement of servers to limit IT equipment repair and service interruption. This provides a server environment that is under vendor warranty for fast repair and/or replacement in case of failure and is capable of handling the current standards of operating systems and applications.

**Network Printers:** Replacement of network printers to keep up with technological gains and to limit IT equipment repair due to the lifespan of these heavily utilized pieces of equipment.

**AS400:** This project plans the replacement of the AS400 environment on a four-year cycle to meet performance and storage demands and limit IT equipment repair.

Prior year funding shows replacement funding from FY 2009.

## Telecommunications System Upgrade

| Project Cost Estimates | Prior Years      | 2011-12    | 2012-13          | 2013-14    | 2014-15    | 2015-16          | 2016-17    | 2017-18    | 2018-19          | 2019-20    | 2020-21    | Total Project      |
|------------------------|------------------|------------|------------------|------------|------------|------------------|------------|------------|------------------|------------|------------|--------------------|
| Planning               | \$0              |            |                  |            |            |                  |            |            |                  |            |            | \$0                |
| Land Acquisition       | \$0              |            |                  |            |            |                  |            |            |                  |            |            | \$0                |
| Construction           | \$0              |            |                  |            |            |                  |            |            |                  |            |            | \$0                |
| Equip/Furnishings      | \$475,000        |            | \$300,000        |            |            | \$350,000        |            |            | \$806,000        |            |            | \$1,931,000        |
| Other                  | \$0              |            |                  |            |            |                  |            |            |                  |            |            | \$0                |
| Contingencies          | \$0              |            |                  |            |            |                  |            |            |                  |            |            | \$0                |
| <b>Project Total</b>   | <b>\$475,000</b> | <b>\$0</b> | <b>\$300,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$350,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$806,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$1,931,000</b> |

| Funding Sources          |                  |            |                  |            |            |                  |            |            |                  |            |            |                    |
|--------------------------|------------------|------------|------------------|------------|------------|------------------|------------|------------|------------------|------------|------------|--------------------|
| County Contribution      | \$0              |            | \$300,000        |            |            | \$350,000        |            |            | \$806,000        |            |            | \$1,456,000        |
| General Obligation Bonds | \$0              |            |                  |            |            |                  |            |            |                  |            |            | \$0                |
| Two Thirds Bonds         | \$0              |            |                  |            |            |                  |            |            |                  |            |            | \$0                |
| COPS/Bank Financing      | \$475,000        |            |                  |            |            |                  |            |            |                  |            |            | \$475,000          |
| Enterprise Fund          | \$0              |            |                  |            |            |                  |            |            |                  |            |            | \$0                |
| Revenue Bonds            | \$0              |            |                  |            |            |                  |            |            |                  |            |            | \$0                |
| Miscellaneous Revenue    | \$0              |            |                  |            |            |                  |            |            |                  |            |            | \$0                |
| <b>Funding Total</b>     | <b>\$475,000</b> | <b>\$0</b> | <b>\$300,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$350,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$806,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$1,931,000</b> |

| Operating Impact        |                     |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                     |
|-------------------------|---------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|---------------------|
| Additional Expenses     | \$0                 | \$0               | \$0               | \$0               | \$0               | \$0               | \$0               | \$0               | \$0               | \$0               | \$0               | \$0                 |
| Minus Savings           | \$2,304,660         | \$384,110         | \$384,110         | \$384,110         | \$384,110         | \$384,110         | \$384,110         | \$384,110         | \$384,110         | \$384,110         | \$384,110         | \$6,145,760         |
| Net Additional Expenses | -\$2,304,660        | -\$384,110        | -\$384,110        | -\$384,110        | -\$384,110        | -\$384,110        | -\$384,110        | -\$384,110        | -\$384,110        | -\$384,110        | -\$384,110        | -\$6,145,760        |
| Minus New Revenues      | \$0                 |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   | \$0                 |
| <b>Operating Total</b>  | <b>-\$2,304,660</b> | <b>-\$384,110</b> | <b>-\$384,110</b> | <b>-\$384,110</b> | <b>-\$384,110</b> | <b>-\$384,110</b> | <b>-\$384,110</b> | <b>-\$384,110</b> | <b>-\$384,110</b> | <b>-\$384,110</b> | <b>-\$384,110</b> | <b>-\$6,145,760</b> |

**Function: General Government**

**Department: Information Technology**

**Project Description:** Durham County's need for improved communication services has increased due to increased applications, quicker turnaround on services, and fingertip accessibility to information which is currently taxing our current telecommunications infrastructure. Implementation of this project will greatly improve services by increasing the speed of the existing data network without cost increases, decreasing the expense of current CentraNet telephone lines while adding services, enabling voice to ride the data network, and increasing the size of the Internet connection. All departments will benefit from the implementation of this project.

Phase 1 implementation of the IP telephone system was completed in 2005. Phase 2, expansion of the system to include smaller departments and new facilities, was largely completed in FY 2008-09. Also included in this project are the technological upgrades necessary in a four year cycle to maintain the telephone system with current network technologies.

Prior year funding shows replacement funding from FY 2009.

## Data Center

| Project Cost Estimates | Prior Years | 2011-12    | 2012-13    | 2013-14          | 2014-15    | 2015-16    | 2016-17          | 2017-18    | 2018-19    | 2019-20    | 2020-21    | Total Project      |
|------------------------|-------------|------------|------------|------------------|------------|------------|------------------|------------|------------|------------|------------|--------------------|
| Planning               | \$0         |            |            |                  |            |            |                  |            |            |            |            | \$0                |
| Land Acquisition       | \$0         |            |            |                  |            |            |                  |            |            |            |            | \$0                |
| Construction           | \$0         |            |            |                  |            |            |                  |            |            |            |            | \$0                |
| Equip/Furnishings      | \$0         |            |            | \$355,000        |            |            | \$861,000        |            |            |            |            | \$1,216,000        |
| Other                  | \$0         |            |            |                  |            |            |                  |            |            |            |            | \$0                |
| Contingencies          | \$0         |            |            |                  |            |            |                  |            |            |            |            | \$0                |
| <b>Project Total</b>   | <b>\$0</b>  | <b>\$0</b> | <b>\$0</b> | <b>\$355,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$861,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$1,216,000</b> |

| Funding Sources          |            |            |            |                  |            |            |                  |            |            |            |            |                    |
|--------------------------|------------|------------|------------|------------------|------------|------------|------------------|------------|------------|------------|------------|--------------------|
| County Contribution      | \$0        |            |            | \$355,000        |            |            |                  |            |            |            |            | \$355,000          |
| General Obligation Bonds | \$0        |            |            |                  |            |            |                  |            |            |            |            | \$0                |
| Two Thirds Bonds         | \$0        |            |            |                  |            |            |                  |            |            |            |            | \$0                |
| COPS/Bank Financing      | \$0        |            |            |                  |            |            | \$861,000        |            |            |            |            | \$861,000          |
| Enterprise Fund          | \$0        |            |            |                  |            |            |                  |            |            |            |            | \$0                |
| Revenue Bonds            | \$0        |            |            |                  |            |            |                  |            |            |            |            | \$0                |
| Miscellaneous Revenue    | \$0        |            |            |                  |            |            |                  |            |            |            |            | \$0                |
| <b>Funding Total</b>     | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$355,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$861,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$1,216,000</b> |

| Operating Impact        |            |            |            |            |            |            |            |            |            |            |            |            |
|-------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Additional Expenses     | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        |
| Minus Savings           | \$0        |            |            |            |            |            |            |            |            |            |            | \$0        |
| Net Additional Expenses | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        |
| Minus New Revenues      | \$0        |            |            |            |            |            |            |            |            |            |            | \$0        |
| <b>Operating Total</b>  | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> |

**Function: General Government**

**Department: Information Technology**

**Project Description:** To maintain reliable communication within Durham County Government, this project provides critical upgrades to the Data Center in the Administration Building. The Data Center is a critical hub for application, data, and communication services for all Durham County Government departments. This project includes essential environmental support equipment replacements and upgrades to ensure the Data Center's integrity. These systems provide security; fire suppression; heating, ventilating, and air conditioning (HVAC); and power critical to data center operations and business continuity.



## Fiber Optic Network Infrastructure

| Project Cost Estimates | Prior Years      | 2011-12          | 2012-13          | 2013-14    | 2014-15    | 2015-16    | 2016-17    | 2017-18    | 2018-19    | 2019-20    | 2020-21    | Total Project    |
|------------------------|------------------|------------------|------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------------|
| Planning               | \$15,000         |                  |                  |            |            |            |            |            |            |            |            | \$15,000         |
| Land Acquisition       | \$0              |                  |                  |            |            |            |            |            |            |            |            | \$0              |
| Construction           | \$0              |                  |                  |            |            |            |            |            |            |            |            | \$0              |
| Equip/Furnishings      | \$276,000        | \$327,000        | \$122,000        |            |            |            |            |            |            |            |            | \$725,000        |
| Other                  | \$0              |                  |                  |            |            |            |            |            |            |            |            | \$0              |
| Contingencies          | \$13,000         | \$16,000         | \$12,000         |            |            |            |            |            |            |            |            | \$41,000         |
| <b>Project Total</b>   | <b>\$304,000</b> | <b>\$343,000</b> | <b>\$134,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$781,000</b> |

| Funding Sources          |                  |                  |                  |            |            |            |            |            |            |            |            |                  |
|--------------------------|------------------|------------------|------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------------|
| County Contribution      | \$0              |                  |                  |            |            |            |            |            |            |            |            | \$0              |
| General Obligation Bonds | \$0              |                  |                  |            |            |            |            |            |            |            |            | \$0              |
| Two Thirds Bonds         | \$0              |                  |                  |            |            |            |            |            |            |            |            | \$0              |
| COPS/Bank Financing      | \$304,000        | \$343,000        | \$134,000        |            |            |            |            |            |            |            |            | \$781,000        |
| Enterprise Fund          | \$0              |                  |                  |            |            |            |            |            |            |            |            | \$0              |
| Revenue Bonds            | \$0              |                  |                  |            |            |            |            |            |            |            |            | \$0              |
| Miscellaneous Revenue    | \$0              |                  |                  |            |            |            |            |            |            |            |            | \$0              |
| <b>Funding Total</b>     | <b>\$304,000</b> | <b>\$343,000</b> | <b>\$134,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$781,000</b> |

| Operating Impact        |            |            |            |            |            |            |            |            |            |            |            |            |
|-------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Additional Expenses     | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        |
| Minus Savings           | \$0        |            |            |            |            |            |            |            |            |            |            | \$0        |
| Net Additional Expenses | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        |
| Minus New Revenues      | \$0        |            |            |            |            |            |            |            |            |            |            | \$0        |
| <b>Operating Total</b>  | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> |

**Function: General Government**

**Department: Information Technology**

**Project Description:** This project funds the installation of a fiber optic network infrastructure to link County facilities to the central node of the County network in the Administration Building. Installation will be conducted in three phases. The first phase includes the Judicial Building, Judicial Annex, and Main Library. The second phase includes the Criminal Justice Resource Center, General Services, and new Human Services Complex. The third phase includes the new county courthouse.

Compared to just five years ago, most of the County's departments have become highly-dependent on the Information Technology network infrastructure for access to business applications, data stores, and other network resources. Currently, most inter-site network connectivity is leased. Leased costs increase exponentially with bandwidth requirements. Installation of high-speed infrastructure is critical to maintaining pace with the increasing bandwidth demands of departments. This project will cover the initial costs of network infrastructure installation and over time provide a return on that investment with the eliminated leased costs.

Typical inter-site bandwidth is currently strained at 1.5mbps with some large sites utilizing bandwidth up to 10mbps. Fiber connectivity can provide bandwidth starting in the 1000mbps to meet current and future requirement. This is a priority for the new Human Services Complex and new county courthouse to provide network connectivity and bandwidth capacity required to sustain business operations on the Durham County Network.

## Major Laserfishe Upgrade

| Project Cost Estimates | Prior Years | 2011-12    | 2012-13    | 2013-14          | 2014-15    | 2015-16    | 2016-17    | 2017-18          | 2018-19    | 2019-20    | 2020-21    | Total Project    |
|------------------------|-------------|------------|------------|------------------|------------|------------|------------|------------------|------------|------------|------------|------------------|
| Planning               | \$0         |            |            |                  |            |            |            |                  |            |            |            | \$0              |
| Land Acquisition       | \$0         |            |            |                  |            |            |            |                  |            |            |            | \$0              |
| Construction           | \$0         |            |            |                  |            |            |            |                  |            |            |            | \$0              |
| Equip/Furnishings      | \$0         |            |            |                  |            |            |            |                  |            |            |            | \$0              |
| Other                  | \$0         |            |            | \$300,000        |            |            |            | \$300,000        |            |            |            | \$600,000        |
| Contingencies          | \$0         |            |            |                  |            |            |            |                  |            |            |            | \$0              |
| <b>Project Total</b>   | <b>\$0</b>  | <b>\$0</b> | <b>\$0</b> | <b>\$300,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$300,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$600,000</b> |

| Funding Sources          |            |            |            |                  |            |            |            |                  |            |            |            |                  |
|--------------------------|------------|------------|------------|------------------|------------|------------|------------|------------------|------------|------------|------------|------------------|
| County Contribution      | \$0        |            |            | \$300,000        |            |            |            | \$300,000        |            |            |            | \$600,000        |
| General Obligation Bonds | \$0        |            |            |                  |            |            |            |                  |            |            |            | \$0              |
| Two Thirds Bonds         | \$0        |            |            |                  |            |            |            |                  |            |            |            | \$0              |
| COPS/Bank Financing      | \$0        |            |            |                  |            |            |            |                  |            |            |            | \$0              |
| Enterprise Fund          | \$0        |            |            |                  |            |            |            |                  |            |            |            | \$0              |
| Revenue Bonds            | \$0        |            |            |                  |            |            |            |                  |            |            |            | \$0              |
| Miscellaneous Revenue    | \$0        |            |            |                  |            |            |            |                  |            |            |            | \$0              |
| <b>Funding Total</b>     | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$300,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$300,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$600,000</b> |

| Operating Impact        |            |            |            |            |            |            |            |            |            |            |            |            |
|-------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Additional Expenses     | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        |
| Minus Savings           | \$0        |            |            |            |            |            |            |            |            |            |            | \$0        |
| Net Additional Expenses | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        |
| Minus New Revenues      | \$0        |            |            |            |            |            |            |            |            |            |            | \$0        |
| <b>Operating Total</b>  | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> |

**Function: General Government**

**Department: Information Technology**

**Project Description:** Document Management/Imaging is an enterprise wide resource currently implemented and in use by 400+ employees in Social Services, Public Health, Environmental Health, Human Resources, and Legal Departments. It will be used by most County departments in the coming years. This project includes periodic major version and functionality upgrades.

These documents previously occupied a 100' x 100' room full of filing cabinets and required dedicated staff to control and manage. Once imaged a document can be accessed electronically eliminating the need for manually retrieving, tracking, and returning the paper documents. In the future these documents will be able to be read electronically and then searched for electronic discovery.

## Network Communication Services

| Project Cost Estimates | Prior Years | 2011-12    | 2012-13    | 2013-14          | 2014-15          | 2015-16    | 2016-17    | 2017-18    | 2018-19    | 2019-20    | 2020-21    | Total Project    |
|------------------------|-------------|------------|------------|------------------|------------------|------------|------------|------------|------------|------------|------------|------------------|
| Planning               | \$0         |            |            |                  |                  |            |            |            |            |            |            | \$0              |
| Land Acquisition       | \$0         |            |            |                  |                  |            |            |            |            |            |            | \$0              |
| Construction           | \$0         |            |            |                  |                  |            |            |            |            |            |            | \$0              |
| Equip/Furnishings      | \$0         |            |            | \$310,000        | \$280,000        |            |            |            |            |            |            | \$590,000        |
| Other                  | \$0         |            |            |                  |                  |            |            |            |            |            |            | \$0              |
| Contingencies          | \$0         |            |            |                  |                  |            |            |            |            |            |            | \$0              |
| <b>Project Total</b>   | <b>\$0</b>  | <b>\$0</b> | <b>\$0</b> | <b>\$310,000</b> | <b>\$280,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$590,000</b> |

| Funding Sources          |            |            |            |                  |                  |            |            |            |            |            |            |                  |
|--------------------------|------------|------------|------------|------------------|------------------|------------|------------|------------|------------|------------|------------|------------------|
| County Contribution      | \$0        |            |            | \$310,000        | \$280,000        |            |            |            |            |            |            | \$590,000        |
| General Obligation Bonds | \$0        |            |            |                  |                  |            |            |            |            |            |            | \$0              |
| Two Thirds Bonds         | \$0        |            |            |                  |                  |            |            |            |            |            |            | \$0              |
| COPS/Bank Financing      | \$0        |            |            |                  |                  |            |            |            |            |            |            | \$0              |
| Enterprise Fund          | \$0        |            |            |                  |                  |            |            |            |            |            |            | \$0              |
| Revenue Bonds            | \$0        |            |            |                  |                  |            |            |            |            |            |            | \$0              |
| Miscellaneous Revenue    | \$0        |            |            |                  |                  |            |            |            |            |            |            | \$0              |
| <b>Funding Total</b>     | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$310,000</b> | <b>\$280,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$590,000</b> |

| Operating Impact        |            |            |            |            |            |            |            |            |            |            |            |            |
|-------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Additional Expenses     | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        |
| Minus Savings           | \$0        |            |            |            |            |            |            |            |            |            |            | \$0        |
| Net Additional Expenses | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        |
| Minus New Revenues      | \$0        |            |            |            |            |            |            |            |            |            |            | \$0        |
| <b>Operating Total</b>  | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> |

**Function: General Government**

**Department: Information Technology**

**Project Description:** This project funds a new communications solution that will implement instant message, presence, and the expansion of ordinary internal websites into collaborative portals. The project will utilize a Microsoft Communications Server for instant messaging, whiteboarding and web conferencing, Microsoft SharePoint for collaborative web portals, and an expansion of the user licenses for Exchange to support the integration of all with Outlook at the users desk.

Phase I of the project will begin in FY 2013-14 with the installation of an Instant Messaging solution, while Phase II beginning in FY 2014-15 provides SharePoint Web Portal for the electronic collaborative environment within and between County departments.

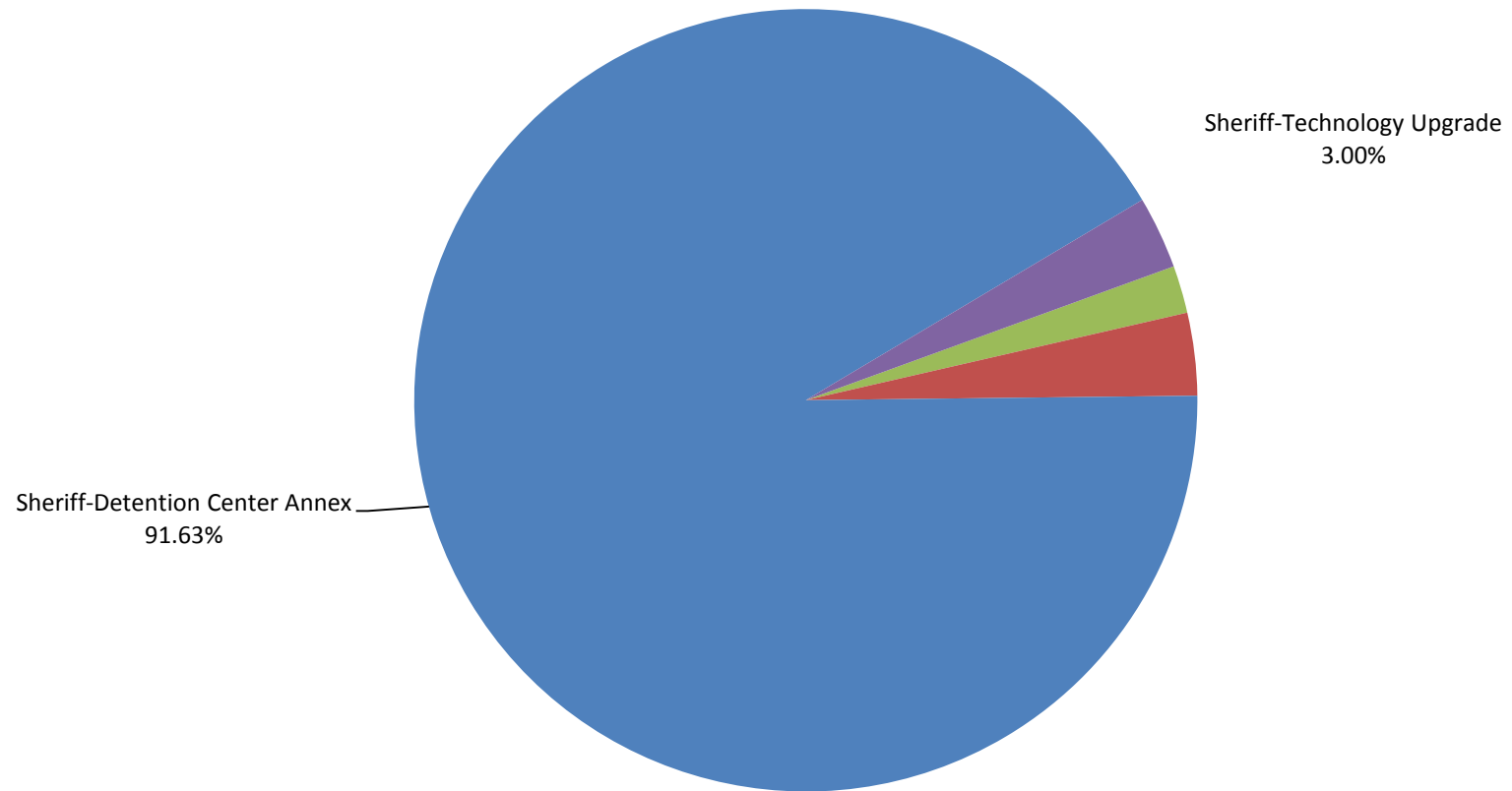
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## **Public Safety**

A function of local government which has as its objective the protection of persons and property.

## 2012-2021 Capital Improvement Plan Public Safety Projects



## EMS Station #1 Renovations

| Project Cost Estimates | Prior Years      | 2011-12            | 2012-13    | 2013-14    | 2014-15    | 2015-16    | 2016-17    | 2017-18    | 2018-19    | 2019-20    | 2020-21    | Total Project      |
|------------------------|------------------|--------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|--------------------|
| Planning               | \$67,590         | \$144,500          |            |            |            |            |            |            |            |            |            | \$212,090          |
| Land Acquisition       | \$0              | \$0                |            |            |            |            |            |            |            |            |            | \$0                |
| Construction           | \$675,900        | \$801,785          |            |            |            |            |            |            |            |            |            | \$1,477,685        |
| Equip/Furnishings      | \$0              | \$63,005           |            |            |            |            |            |            |            |            |            | \$63,005           |
| Other                  | \$42,400         | \$65,000           |            |            |            |            |            |            |            |            |            | \$107,400          |
| Contingencies          | \$104,110        | \$99,209           |            |            |            |            |            |            |            |            |            | \$203,319          |
| <b>Project Total</b>   | <b>\$890,000</b> | <b>\$1,173,499</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$2,063,499</b> |

| Funding Sources          |                  |                    |            |            |            |            |            |            |            |            |            |                    |
|--------------------------|------------------|--------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|--------------------|
| County Contribution      | \$0              | \$1,173,499        |            |            |            |            |            |            |            |            |            | \$1,173,499        |
| General Obligation Bonds | \$0              |                    |            |            |            |            |            |            |            |            |            | \$0                |
| Two Thirds Bonds         | \$350,000        |                    |            |            |            |            |            |            |            |            |            | \$350,000          |
| COPS/Bank Financing      | \$540,000        |                    |            |            |            |            |            |            |            |            |            | \$540,000          |
| Enterprise Fund          | \$0              |                    |            |            |            |            |            |            |            |            |            | \$0                |
| Revenue Bonds            | \$0              |                    |            |            |            |            |            |            |            |            |            | \$0                |
| Miscellaneous Revenue    | \$0              |                    |            |            |            |            |            |            |            |            |            | \$0                |
| <b>Funding Total</b>     | <b>\$890,000</b> | <b>\$1,173,499</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$2,063,499</b> |

| Operating Impact        |              |            |            |            |            |            |            |            |            |            |            |              |
|-------------------------|--------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|--------------|
| Additional Expenses     | \$1,000      | \$500      | \$500      | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$2,000      |
| Minus Savings           | \$0          |            |            |            |            |            |            |            |            |            |            | \$0          |
| Net Additional Expenses | \$500        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$500        |
| Minus New Revenues      | \$0          |            |            |            |            |            |            |            |            |            |            | \$0          |
| <b>Operating Total</b>  | <b>\$500</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$500</b> |

**Function: Public Safety**

**Department: Engineering**

**Project Description:** Emergency Medical Services (EMS) Station Number 1 Building, located on Stadium Drive by Durham Regional Hospital, was constructed in 1979-1980. The project scope of work includes a needed renovation and expansion of the administrative office space and crew living quarters, including required improvements to vehicle bays and site and dealing with issues of moisture infiltration into the building. This project will add approximately 762 square feet of space to the existing office/sleeping quarters. The expansion and renovation of crew quarters will provide a larger and more functional layout to meet current and future needs and create a better work environment for EMS crews. This will also bring the building up to current building and ADA codes.

## EMS Station #3

| Project Cost Estimates | Prior Years | 2011-12    | 2012-13    | 2013-14    | 2014-15            | 2015-16    | 2016-17    | 2017-18    | 2018-19    | 2019-20    | 2020-21    | Total Project      |
|------------------------|-------------|------------|------------|------------|--------------------|------------|------------|------------|------------|------------|------------|--------------------|
| Planning               | \$0         |            |            |            | \$150,000          |            |            |            |            |            |            | \$150,000          |
| Land Acquisition       | \$0         |            |            |            | \$100,000          |            |            |            |            |            |            | \$100,000          |
| Construction           | \$0         |            |            |            | \$1,500,000        |            |            |            |            |            |            | \$1,500,000        |
| Equip/Furnishings      | \$0         |            |            |            | \$102,500          |            |            |            |            |            |            | \$102,500          |
| Other                  | \$0         |            |            |            | \$50,000           |            |            |            |            |            |            | \$50,000           |
| Contingencies          | \$0         |            |            |            | \$150,000          |            |            |            |            |            |            | \$150,000          |
| <b>Project Total</b>   | <b>\$0</b>  | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$2,052,500</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$2,052,500</b> |

| Funding Sources          |            |            |            |            |                    |            |            |            |            |            |            |                    |
|--------------------------|------------|------------|------------|------------|--------------------|------------|------------|------------|------------|------------|------------|--------------------|
| County Contribution      | \$0        |            |            |            | \$2,052,500        |            |            |            |            |            |            | \$2,052,500        |
| General Obligation Bonds | \$0        |            |            |            |                    |            |            |            |            |            |            | \$0                |
| Two Thirds Bonds         | \$0        |            |            |            |                    |            |            |            |            |            |            | \$0                |
| COPS/Bank Financing      | \$0        |            |            |            |                    |            |            |            |            |            |            | \$0                |
| Enterprise Fund          | \$0        |            |            |            |                    |            |            |            |            |            |            | \$0                |
| Revenue Bonds            | \$0        |            |            |            |                    |            |            |            |            |            |            | \$0                |
| Miscellaneous Revenue    | \$0        |            |            |            |                    |            |            |            |            |            |            | \$0                |
| <b>Funding Total</b>     | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$2,052,500</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$2,052,500</b> |

| Operating Impact        |            |            |            |            |            |            |            |            |            |                  |                  |                  |
|-------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------------|------------------|------------------|
| Additional Expenses     | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$379,801        | \$770,834        | \$1,150,635      |
| Minus Savings           | \$0        |            |            |            |            |            |            |            |            |                  |                  | \$0              |
| Net Additional Expenses | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$379,801        | \$391,034        | \$770,834        |
| Minus New Revenues      | \$0        |            |            |            |            |            |            |            |            |                  |                  | \$0              |
| <b>Operating Total</b>  | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$379,801</b> | <b>\$391,034</b> | <b>\$770,834</b> |

**Function: Public Safety**

**Department: Engineering**

**Project Description:** EMS Station #3 is housed at 2400 Pratt Street in Parking Garage #3 on Duke University's campus. While there is a need for this station to operate a second EMS vehicle, due to the increasing size of EMS vehicles, it is a challenge to find vehicles meeting garage height requirements. Additionally, the small facility will not adequately house personnel required by two EMS units.

This project includes the construction of a three-bay EMS station with two offices, kitchen, sleeping quarters, shower facilities, a common living area, and parking. This facility should be located in close proximity to the existing facility to maintain existing response times in this extremely busy area.



## Detention Center Annex

| Project Cost Estimates | Prior Years      | 2011-12    | 2012-13    | 2013-14            | 2014-15             | 2015-16             | 2016-17    | 2017-18    | 2018-19    | 2019-20    | 2020-21    | Total Project       |
|------------------------|------------------|------------|------------|--------------------|---------------------|---------------------|------------|------------|------------|------------|------------|---------------------|
| Planning               | \$376,090        |            |            | \$2,500,000        | \$3,500,000         |                     |            |            |            |            |            | \$6,376,090         |
| Land Acquisition       | \$0              |            |            | \$2,000,000        |                     |                     |            |            |            |            |            | \$2,000,000         |
| Construction           | \$300,000        |            |            |                    | \$21,500,000        | \$25,000,000        |            |            |            |            |            | \$46,800,000        |
| Equip/Furnishings      | \$0              |            |            |                    |                     |                     |            |            |            |            |            | \$0                 |
| Other                  | \$0              |            |            |                    |                     |                     |            |            |            |            |            | \$0                 |
| Contingencies          | \$30,000         |            |            | \$500,000          |                     |                     |            |            |            |            |            | \$530,000           |
| <b>Project Total</b>   | <b>\$706,090</b> | <b>\$0</b> | <b>\$0</b> | <b>\$5,000,000</b> | <b>\$25,000,000</b> | <b>\$25,000,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$55,706,090</b> |

| Funding Sources          |                  |            |            |                    |                     |                     |            |            |            |            |            |                     |
|--------------------------|------------------|------------|------------|--------------------|---------------------|---------------------|------------|------------|------------|------------|------------|---------------------|
| County Contribution      | \$706,090        |            |            |                    |                     |                     |            |            |            |            |            | \$706,090           |
| General Obligation Bonds | \$0              |            |            |                    |                     |                     |            |            |            |            |            | \$0                 |
| Two Thirds Bonds         | \$0              |            |            |                    |                     |                     |            |            |            |            |            | \$0                 |
| COPS/Bank Financing      | \$0              | \$0        | \$0        | \$5,000,000        | \$25,000,000        | \$25,000,000        |            |            |            |            |            | \$55,000,000        |
| Enterprise Fund          | \$0              |            |            |                    |                     |                     |            |            |            |            |            | \$0                 |
| Revenue Bonds            | \$0              |            |            |                    |                     |                     |            |            |            |            |            | \$0                 |
| Miscellaneous Revenue    | \$0              |            |            |                    |                     |                     |            |            |            |            |            | \$0                 |
| <b>Funding Total</b>     | <b>\$706,090</b> | <b>\$0</b> | <b>\$0</b> | <b>\$5,000,000</b> | <b>\$25,000,000</b> | <b>\$25,000,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$55,706,090</b> |

| Operating Impact        |            |            |            |            |            |            |            |            |            |            |            |            |
|-------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Additional Expenses     | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        |
| Minus Savings           | \$0        |            |            |            |            |            |            |            |            |            |            | \$0        |
| Net Additional Expenses | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        |
| Minus New Revenues      | \$0        |            |            |            |            |            |            |            |            |            |            | \$0        |
| <b>Operating Total</b>  | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> |

**Function: Public Safety**

**Department: Engineering**

**Project Description:** This project includes consulting, planning, and construction of a secured detention facility to accommodate increased inmate population. The current operational capacity of 720 beds has been exceeded with some frequency since 2005. The intention is to build a second facility located outside of downtown. The construction will include the necessary facilities and office space for detention personnel. Planning and land acquisition will begin in FY 2013-14 with construction beginning the following year and the facility opening in FY 2015-16. Funding for the project would be County contribution and certificates of participation (COPs).

## Sheriff Technology Upgrade

| Project Cost Estimates | Prior Years | 2011-12          | 2012-13    | 2013-14    | 2014-15    | 2015-16          | 2016-17    | 2017-18    | 2018-19    | 2019-20          | 2020-21    | Total Project      |
|------------------------|-------------|------------------|------------|------------|------------|------------------|------------|------------|------------|------------------|------------|--------------------|
| Planning               | \$0         |                  |            |            |            |                  |            |            |            |                  |            | \$0                |
| Land Acquisition       | \$0         |                  |            |            |            |                  |            |            |            |                  |            | \$0                |
| Construction           | \$0         |                  |            |            |            |                  |            |            |            |                  |            | \$0                |
| Equip/Furnishings      | \$0         | \$599,900        |            |            |            | \$599,400        |            |            |            | \$599,400        |            | \$1,798,700        |
| Other                  | \$0         |                  |            |            |            |                  |            |            |            |                  |            | \$0                |
| Contingencies          | \$0         |                  |            |            |            |                  |            |            |            |                  |            | \$0                |
| <b>Project Total</b>   | <b>\$0</b>  | <b>\$599,900</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$599,400</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$599,400</b> | <b>\$0</b> | <b>\$1,798,700</b> |

| Funding Sources          |            |                  |            |            |            |                  |            |            |            |                  |            |                    |
|--------------------------|------------|------------------|------------|------------|------------|------------------|------------|------------|------------|------------------|------------|--------------------|
| County Contribution      | \$0        |                  |            |            |            |                  |            |            |            |                  |            | \$0                |
| General Obligation Bonds | \$0        |                  |            |            |            |                  |            |            |            |                  |            | \$0                |
| Two Thirds Bonds         | \$0        |                  |            |            |            |                  |            |            |            |                  |            | \$0                |
| COPS/Bank Financing      | \$0        | \$599,900        |            |            |            | \$599,400        |            |            |            | \$599,400        |            | \$1,798,700        |
| Enterprise Fund          | \$0        |                  |            |            |            |                  |            |            |            |                  |            | \$0                |
| Revenue Bonds            | \$0        |                  |            |            |            |                  |            |            |            |                  |            | \$0                |
| Miscellaneous Revenue    | \$0        |                  |            |            |            |                  |            |            |            |                  |            | \$0                |
| <b>Funding Total</b>     | <b>\$0</b> | <b>\$599,900</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$599,400</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$599,400</b> | <b>\$0</b> | <b>\$1,798,700</b> |

| Operating Impact        |            |            |            |            |            |            |            |            |            |            |            |            |
|-------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Additional Expenses     | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        |
| Minus Savings           | \$0        |            |            |            |            |            |            |            |            |            |            | \$0        |
| Net Additional Expenses | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        |
| Minus New Revenues      | \$0        |            |            |            |            |            |            |            |            |            |            | \$0        |
| <b>Operating Total</b>  | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> |

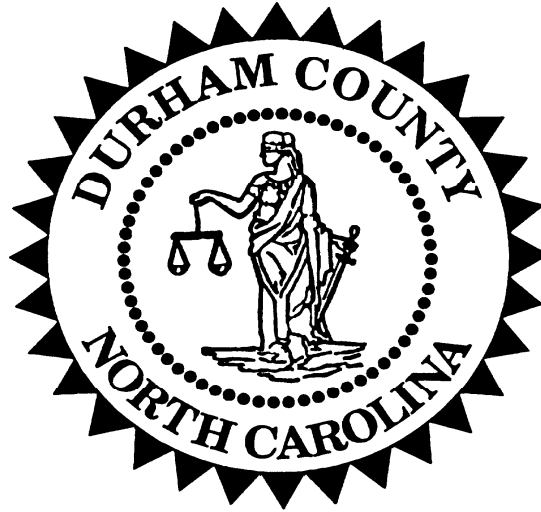
**Function: Public Safety**

**Department: Sheriff**

**Project Description:** The Sheriff's Department requires a reliable data center to maintain its continuous public safety operations. This project will revitalize all technology associated with day to day operations of the Sheriff's Department and provide for upgrades in future years.

Currently, the Sheriff's Department is running all computing operations out of a data center suffering from airflow issues leading to heat issues, humidity problems, and aging computer hardware that has exceeded its current life cycle by four years. This project will serve to resolve these critical needs and provide for a reliable data center.

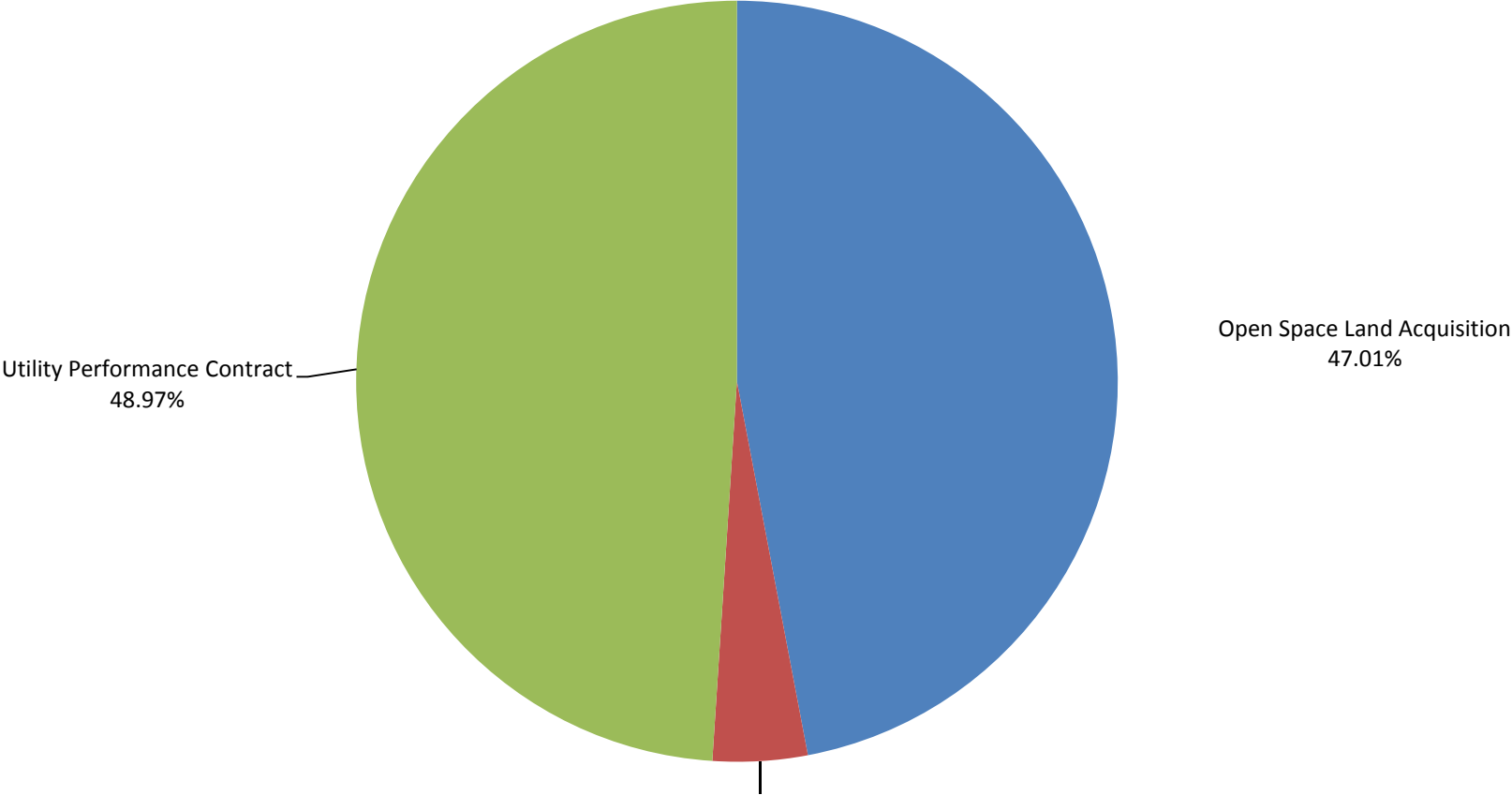
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## **Environmental Protection**

A function of government which includes conservation and development of natural resources.

**2012-2021 Capital Improvement Plan  
Environmental Protection Projects**



## Open Space and Farm Land Acquisition

| Project Cost Estimates | Prior Years      | 2011-12          | 2012-13          | 2013-14          | 2014-15          | 2015-16          | 2016-17          | 2017-18          | 2018-19          | 2019-20          | 2020-21          | Total Project      |
|------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|--------------------|
| Planning               | \$0              |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | \$0                |
| Land Acquisition       | \$800,000        | \$300,000        | \$500,000        | \$500,000        | \$500,000        | \$500,000        | \$500,000        | \$500,000        | \$500,000        | \$500,000        | \$500,000        | \$5,600,000        |
| Construction           | \$50,000         |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | \$50,000           |
| Equip/Furnishings      | \$0              |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | \$0                |
| Other                  | \$0              |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | \$0                |
| Contingencies          | \$0              |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | \$0                |
| <b>Project Total</b>   | <b>\$850,000</b> | <b>\$300,000</b> | <b>\$500,000</b> | <b>\$500,000</b> | <b>\$500,000</b> | <b>\$500,000</b> | <b>\$500,000</b> | <b>\$500,000</b> | <b>\$500,000</b> | <b>\$500,000</b> | <b>\$500,000</b> | <b>\$5,650,000</b> |

| Funding Sources          |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                    |
|--------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|--------------------|
| County Contribution      | \$850,000        | \$300,000        | \$500,000        | \$500,000        | \$500,000        | \$500,000        | \$500,000        | \$500,000        | \$500,000        | \$500,000        | \$500,000        | \$5,650,000        |
| General Obligation Bonds | \$0              |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | \$0                |
| Two Thirds Bonds         | \$0              |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | \$0                |
| COPS/Bank Financing      | \$0              |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | \$0                |
| Enterprise Fund          | \$0              |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | \$0                |
| Revenue Bonds            | \$0              |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | \$0                |
| Miscellaneous Revenue    | \$0              |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | \$0                |
| <b>Funding Total</b>     | <b>\$850,000</b> | <b>\$300,000</b> | <b>\$500,000</b> | <b>\$500,000</b> | <b>\$500,000</b> | <b>\$500,000</b> | <b>\$500,000</b> | <b>\$500,000</b> | <b>\$500,000</b> | <b>\$500,000</b> | <b>\$500,000</b> | <b>\$5,650,000</b> |

| Operating Impact        |            |            |            |            |            |            |            |            |            |            |            |            |
|-------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Additional Expenses     | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        |
| Minus Savings           | \$0        |            |            |            |            |            |            |            |            |            |            | \$0        |
| Net Additional Expenses | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        |
| Minus New Revenues      | \$0        |            |            |            |            |            |            |            |            |            |            | \$0        |
| <b>Operating Total</b>  | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> |

**Function: Environmental Protection**

**Department: Engineering**

**Project Description:** Funds will be used towards acquisition and development of strategic County open spaces. The funds will be used to acquire lands to implement adopted open space plans and to provide public access and trails. Lands acquired also will help to protect the County's water quality and important natural habitats identified in the Durham County Inventory of Natural Areas, Plants, and Wildlife. Lands will be acquired with easements where feasible or in fee simple. Funds will provide support for acquisition of farmland conservation easements as part of the County's farmland preservation program. Properties will be acquired from willing sellers. Acquisitions are needed to implement the County-identified project areas within adopted County open space plans, namely the New Hope, Little River Corridor, and East Durham plans. Additional properties may be included based on strategic opportunities within the remaining two corridors identified in the adopted County's Open Space Corridor System Plan (Flat River and Eno River) where more detailed open space plans also are anticipated.

Prior year funding shows funding from FY 2010-11.

## New Hope Creek - Hollow Rock

| Project Cost Estimates | Prior Years        | 2011-12         | 2012-13          | 2013-14    | 2014-15    | 2015-16    | 2016-17    | 2017-18    | 2018-19    | 2019-20    | 2020-21    | Total Project      |
|------------------------|--------------------|-----------------|------------------|------------|------------|------------|------------|------------|------------|------------|------------|--------------------|
| Planning               | \$50,000           | \$50,000        |                  |            |            |            |            |            |            |            |            | \$100,000          |
| Land Acquisition       | \$1,514,000        |                 |                  |            |            |            |            |            |            |            |            | \$1,514,000        |
| Construction           | \$0                |                 | \$360,000        |            |            |            |            |            |            |            |            | \$360,000          |
| Equip/Furnishings      | \$0                |                 |                  |            |            |            |            |            |            |            |            | \$0                |
| Other                  | \$50,000           |                 |                  |            |            |            |            |            |            |            |            | \$50,000           |
| Contingencies          | \$0                |                 |                  |            |            |            |            |            |            |            |            | \$0                |
| <b>Project Total</b>   | <b>\$1,614,000</b> | <b>\$50,000</b> | <b>\$360,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$2,024,000</b> |

| Funding Sources          |                    |                 |                  |            |            |            |            |            |            |            |            |                    |
|--------------------------|--------------------|-----------------|------------------|------------|------------|------------|------------|------------|------------|------------|------------|--------------------|
| County Contribution      | \$375,000          | \$50,000        |                  |            |            |            |            |            |            |            |            | \$425,000          |
| General Obligation Bonds | \$0                |                 |                  |            |            |            |            |            |            |            |            | \$0                |
| Two Thirds Bonds         | \$0                |                 |                  |            |            |            |            |            |            |            |            | \$0                |
| COPS/Bank Financing      | \$0                |                 | \$360,000        |            |            |            |            |            |            |            |            | \$360,000          |
| Enterprise Fund          | \$0                |                 |                  |            |            |            |            |            |            |            |            | \$0                |
| Revenue Bonds            | \$0                |                 |                  |            |            |            |            |            |            |            |            | \$0                |
| Miscellaneous Revenue    | \$1,239,000        |                 |                  |            |            |            |            |            |            |            |            | \$1,239,000        |
| <b>Funding Total</b>     | <b>\$1,614,000</b> | <b>\$50,000</b> | <b>\$360,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$2,024,000</b> |

| Operating Impact        |            |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                  |
|-------------------------|------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|
| Additional Expenses     | \$0        | \$11,000        | \$31,000        | \$54,540        | \$87,636        | \$112,305       | \$134,024       | \$135,795       | \$137,619       | \$139,498       | \$141,433       | \$984,850        |
| Minus Savings           | \$0        |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 | \$0              |
| Net Additional Expenses | \$0        | \$11,000        | \$20,000        | \$23,540        | \$44,096        | \$44,669        | \$45,259        | \$45,867        | \$46,493        | \$47,138        | \$47,802        | \$375,864        |
| Minus New Revenues      | \$0        |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 | \$0              |
| <b>Operating Total</b>  | <b>\$0</b> | <b>\$11,000</b> | <b>\$20,000</b> | <b>\$23,540</b> | <b>\$44,096</b> | <b>\$44,669</b> | <b>\$45,259</b> | <b>\$45,867</b> | <b>\$46,493</b> | <b>\$47,138</b> | <b>\$47,802</b> | <b>\$375,864</b> |

**Function: Environmental Protection**

**Department: Engineering**

**Project Description:** In April 2008, Durham County acquired 42.8 acres owned by Duke University that straddles the Durham/Orange County line. The acquisition was the result of large public support for its preservation, and resulted in an unprecedented public-private partnership that included the City of Durham, Orange County, the Town of Chapel Hill, the Triangle Land Conservancy and the Erwin Area Neighborhood Group. Eleven acres of the property are within Orange County and will be conveyed to Orange County after conservation easements are conveyed to the State of North Carolina. Chapel Hill will own two of the acres located within Durham County. In FY 2007-08, a planning effort to determine the future uses for the Hollow Rock area, including the Orange County portion, was started with the oversight of an advisory committee.

## Utility Performance Contracting

| Project Cost Estimates | Prior Years | 2011-12            | 2012-13            | 2013-14    | 2014-15    | 2015-16    | 2016-17    | 2017-18    | 2018-19    | 2019-20    | 2020-21    | Total Project      |
|------------------------|-------------|--------------------|--------------------|------------|------------|------------|------------|------------|------------|------------|------------|--------------------|
| Planning               | \$0         |                    |                    |            |            |            |            |            |            |            |            | \$0                |
| Land Acquisition       | \$0         |                    |                    |            |            |            |            |            |            |            |            | \$0                |
| Construction           | \$0         | \$2,500,000        | \$2,500,000        |            |            |            |            |            |            |            |            | \$5,000,000        |
| Equip/Furnishings      | \$0         |                    |                    |            |            |            |            |            |            |            |            | \$0                |
| Other                  | \$0         |                    |                    |            |            |            |            |            |            |            |            | \$0                |
| Contingencies          | \$0         |                    |                    |            |            |            |            |            |            |            |            | \$0                |
| <b>Project Total</b>   | <b>\$0</b>  | <b>\$2,500,000</b> | <b>\$2,500,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$5,000,000</b> |

| Funding Sources          |            |                    |                    |            |            |            |            |            |            |            |            |                    |
|--------------------------|------------|--------------------|--------------------|------------|------------|------------|------------|------------|------------|------------|------------|--------------------|
| County Contribution      | \$0        |                    |                    |            |            |            |            |            |            |            |            | \$0                |
| General Obligation Bonds | \$0        |                    |                    |            |            |            |            |            |            |            |            | \$0                |
| Two Thirds Bonds         | \$0        |                    |                    |            |            |            |            |            |            |            |            | \$0                |
| COPS/Bank Financing      | \$0        | \$2,500,000        | \$2,500,000        |            |            |            |            |            |            |            |            | \$5,000,000        |
| Enterprise Fund          | \$0        |                    |                    |            |            |            |            |            |            |            |            | \$0                |
| Revenue Bonds            | \$0        |                    |                    |            |            |            |            |            |            |            |            | \$0                |
| Miscellaneous Revenue    | \$0        |                    |                    |            |            |            |            |            |            |            |            | \$0                |
| <b>Funding Total</b>     | <b>\$0</b> | <b>\$2,500,000</b> | <b>\$2,500,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$5,000,000</b> |

| Operating Impact        |            |                 |                |                   |                   |                   |                   |                   |                   |                   |                   |                     |
|-------------------------|------------|-----------------|----------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|---------------------|
| Additional Expenses     | \$0        | \$30,950        | \$37,950       | \$44,950          | \$21,000          | \$21,000          | \$21,000          | \$21,000          | \$21,000          | \$21,000          | \$21,000          | \$260,850           |
| Minus Savings           | \$0        |                 |                | \$350,000         | \$350,000         | \$350,000         | \$350,000         | \$350,000         | \$350,000         | \$350,000         | \$350,000         | \$2,800,000         |
| Net Additional Expenses | \$0        | \$30,950        | \$7,000        | -\$343,000        | -\$343,000        | -\$343,000        | -\$343,000        | -\$343,000        | -\$343,000        | -\$343,000        | -\$343,000        | -\$2,706,050        |
| Minus New Revenues      | \$0        |                 |                |                   |                   |                   |                   |                   |                   |                   |                   | \$0                 |
| <b>Operating Total</b>  | <b>\$0</b> | <b>\$30,950</b> | <b>\$7,000</b> | <b>-\$343,000</b> | <b>-\$343,000</b> | <b>-\$343,000</b> | <b>-\$343,000</b> | <b>-\$343,000</b> | <b>-\$343,000</b> | <b>-\$343,000</b> | <b>-\$343,000</b> | <b>-\$2,706,050</b> |

**Function: Environmental Protection**

**Department: Engineering**

**Project Description:** This project will conduct utility savings performance contracting on 10 facilities resulting in significant energy and water savings in those facilities. Buildings to be included are Durham County Detention Center, Durham Center Access, Fire Marshal's Office, General Services Building, Homeless Shelter, Main Fueling Station, Operation Breakthrough, Roxboro Parking Deck, Stanford L. Warren Library and Youth Home.

Through Performance Contracting, an Energy Services Contractor (ESCO) is hired to conduct an investment grade audit of the facilities to determine what energy and water saving measures could be implemented and the return on those investments. The County selects the desired measures and arranges for financing. The ESCO implements all the desired measures within one year and the utility savings pay off the debt beginning in year two. If the measures do not result in the planned savings, the ESCO makes up the difference. The term of the ESCO contract is expected to be 15 years for the savings to payback the investment.

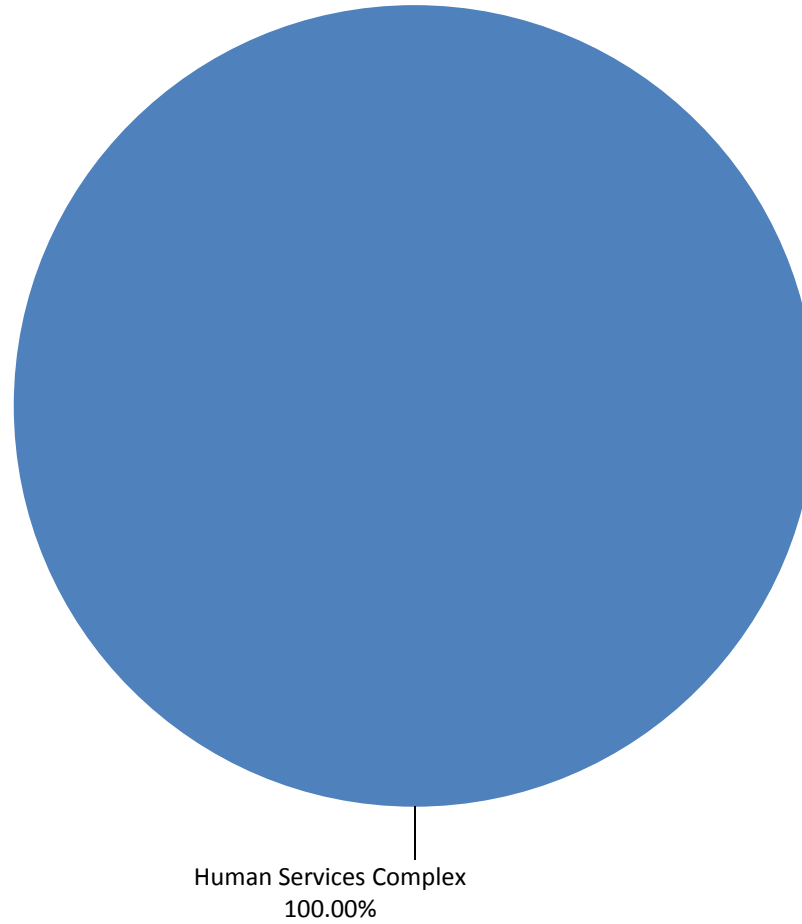




## **Human Services**

A function of local government which is charged with expenditures for the public welfare including public health, mental health, hospitals, and social services.

## 2012-2021 Capital Improvement Plan Human Services Projects



## Human Services Complex

| Project Cost Estimates | Prior Years         | 2011-12             | 2012-13             | 2013-14          | 2014-15    | 2015-16    | 2016-17    | 2017-18    | 2018-19    | 2019-20    | 2020-21    | Total Project       |
|------------------------|---------------------|---------------------|---------------------|------------------|------------|------------|------------|------------|------------|------------|------------|---------------------|
| Planning               | \$7,097,474         | \$1,576,417         | \$150,000           |                  |            |            |            |            |            |            |            | \$8,823,891         |
| Land Acquisition       | \$3,323,181         |                     |                     |                  |            |            |            |            |            |            |            | \$3,323,181         |
| Construction           | \$30,000,000        | \$12,332,500        | \$12,332,500        |                  |            |            |            |            |            |            |            | \$54,665,000        |
| Equip/Furnishings      | \$14,620,000        | \$820,000           |                     |                  |            |            |            |            |            |            |            | \$15,440,000        |
| Other                  | \$2,368,504         |                     |                     | \$600,000        |            |            |            |            |            |            |            | \$2,968,504         |
| Contingencies          | \$4,062,349         | \$528,717           | \$75,000            | \$60,000         |            |            |            |            |            |            |            | \$4,726,066         |
| <b>Project Total</b>   | <b>\$61,471,508</b> | <b>\$15,257,634</b> | <b>\$12,557,500</b> | <b>\$660,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$89,946,642</b> |

| Funding Sources          |                     |            |            |            |            |            |            |            |            |            |            |                     |
|--------------------------|---------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|---------------------|
| County Contribution      | \$1,551,130         |            |            |            |            |            |            |            |            |            |            | \$1,551,130         |
| General Obligation Bonds | \$0                 |            |            |            |            |            |            |            |            |            |            | \$0                 |
| Two Thirds Bonds         | \$6,395,512         |            |            |            |            |            |            |            |            |            |            | \$6,395,512         |
| COPS/Bank Financing      | \$82,000,000        |            |            |            |            |            |            |            |            |            |            | \$82,000,000        |
| Enterprise Fund          | \$0                 |            |            |            |            |            |            |            |            |            |            | \$0                 |
| Revenue Bonds            | \$0                 |            |            |            |            |            |            |            |            |            |            | \$0                 |
| Miscellaneous Revenue    | \$0                 |            |            |            |            |            |            |            |            |            |            | \$0                 |
| <b>Funding Total</b>     | <b>\$89,946,642</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$89,946,642</b> |

| Operating Impact        |            |                    |                    |                    |                    |                    |                    |                    |                    |             |             |                    |
|-------------------------|------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-------------|-------------|--------------------|
| Additional Expenses     | \$0        | \$1,030,194        | \$2,078,708        | \$3,145,542        | \$3,200,502        | \$3,255,590        | \$3,311,118        | \$3,367,407        | \$3,424,653        | \$2,302,291 | \$1,160,848 | \$26,276,853       |
| Minus Savings           | \$0        |                    |                    |                    |                    |                    |                    |                    |                    |             |             | \$0                |
| Net Additional Expenses | \$0        | \$1,030,194        | \$1,048,514        | \$1,066,834        | \$1,085,154        | \$1,103,602        | \$1,122,363        | \$1,141,443        | \$1,160,848        | \$0         | \$0         | \$8,758,951        |
| Minus New Revenues      | \$0        |                    |                    |                    |                    |                    |                    |                    |                    |             |             | \$0                |
| <b>Operating Total</b>  | <b>\$0</b> | <b>\$1,030,194</b> | <b>\$1,048,514</b> | <b>\$1,066,834</b> | <b>\$1,085,154</b> | <b>\$1,103,602</b> | <b>\$1,122,363</b> | <b>\$1,141,443</b> | <b>\$1,160,848</b> | <b>\$0</b>  | <b>\$0</b>  | <b>\$8,758,951</b> |

### Function: Human Services

### Department: Engineering

**Project Description:** The Durham County Human Services building will include centralized facilities for the Durham Center (formerly Mental Health), Social Services, and Public Health. The project is to build a 277,590 square foot building and is planned to be constructed in two phases on the site of the old Public Health Department. This project consolidates delivery of human services, which will improve service delivery through the provision of centralized facilities as the agencies often serve the same clients. The new Durham County Human Services building will be a "Leadership in Energy and Environmental Design (LEED) Gold" building. The project also includes land acquisition costs for a 404-space parking lot across the street from the Durham County Human Services building.

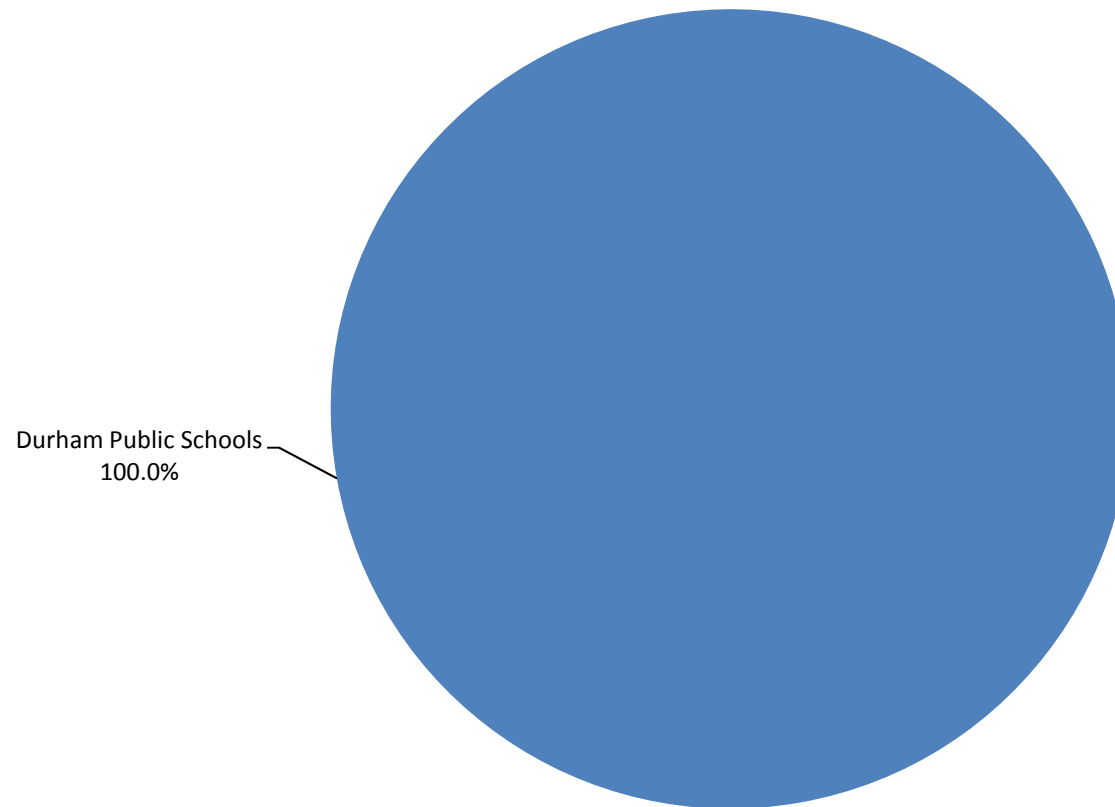
The Space Needs Analysis and Facility Master Plan includes the Durham County Human Services building as a viable way to meet the County's human services agency facility needs. Upon completion, the Carmichael Building will be sold and the DSS Building on Main Street will be demolished. Phase one of the project has been completed and is currently occupied, phase two will be completed next fiscal year.



## **Education**

A function of local government which provides direct financial support to public school systems within the county.

## 2012-2021 Capital Improvement Plan Education Projects



# Durham Public Schools

| Project Cost Estimates | Prior Years          | 2011-12             | 2012-13             | 2013-14    | 2014-15    | 2015-16    | 2016-17    | 2017-18    | 2018-19    | 2019-20    | 2020-21    | Total Project        |
|------------------------|----------------------|---------------------|---------------------|------------|------------|------------|------------|------------|------------|------------|------------|----------------------|
| Planning               | \$0                  |                     |                     |            |            |            |            |            |            |            |            | \$0                  |
| Land Acquisition       | \$3,950,000          |                     |                     |            |            |            |            |            |            |            |            | \$3,950,000          |
| Construction           | \$119,471,684        | \$44,556,688        | \$41,669,833        |            |            |            |            |            |            |            |            | \$205,698,205        |
| Equip/Furnishings      | \$0                  |                     |                     |            |            |            |            |            |            |            |            | \$0                  |
| Other                  | \$6,000,000          |                     |                     |            |            |            |            |            |            |            |            | \$6,000,000          |
| Contingencies          | \$0                  |                     |                     |            |            |            |            |            |            |            |            | \$0                  |
| <b>Project Total</b>   | <b>\$129,421,684</b> | <b>\$44,556,688</b> | <b>\$41,669,833</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$215,648,205</b> |

| Funding Sources          |                      |            |            |            |            |            |            |            |            |            |            |                      |
|--------------------------|----------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|----------------------|
| County Contribution      | \$6,000,000          |            |            |            |            |            |            |            |            |            |            | \$6,000,000          |
| General Obligation Bonds | \$193,448,205        |            |            |            |            |            |            |            |            |            |            | \$193,448,205        |
| Two Thirds Bonds         | \$6,650,000          |            |            |            |            |            |            |            |            |            |            | \$6,650,000          |
| COPS/Bank Financing      | \$9,550,000          |            |            |            |            |            |            |            |            |            |            | \$9,550,000          |
| Enterprise Fund          | \$0                  |            |            |            |            |            |            |            |            |            |            | \$0                  |
| Revenue Bonds            | \$0                  |            |            |            |            |            |            |            |            |            |            | \$0                  |
| Miscellaneous Revenue    | \$0                  |            |            |            |            |            |            |            |            |            |            | \$0                  |
| <b>Funding Total</b>     | <b>\$215,648,205</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$215,648,205</b> |

| Operating Impact        |            |            |            |            |            |            |            |            |            |            |            |            |
|-------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Additional Expenses     | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        |
| Minus Savings           | \$0        |            |            |            |            |            |            |            |            |            |            | \$0        |
| Net Additional Expenses | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        |
| Minus New Revenues      | \$0        |            |            |            |            |            |            |            |            |            |            | \$0        |
| <b>Operating Total</b>  | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> |

**Function: Education**

**Department: Durham Public Schools**

**Project Description:** Durham Public Schools facility growth, additions, and renovations continue to be the largest component of the Durham County Capital Improvement Program (CIP). Durham Public Schools has experienced enrollment growth over the last decade at an average of 1% per year. While overall growth leveled off over the last two years, largely due to charter schools, the southern areas of Durham County continued to grow at record rates.

The passage of a \$194.2 million general obligation (GO) bond referendum in November 2007 significantly updated this ongoing project. The bonds support upgrades to 11 elementary schools, building one new elementary school, purchase land for another, and upgrade system-wide playgrounds. Two middle schools will be upgraded and a new one built. Two high schools will be upgraded, one will be renovated, and one built. Additionally, the County purchased the Lakewood YMCA property for school purposes. Through a series of lease agreements with Durham Public Schools and the YMCA of the Triangle, the property will become a secondary school and Durham Public Schools will lease a portion to the YMCA.

Future funding needs have changed to reflect a slowdown in student growth and the overall financial constraints of a large capital program. A previously planned GO Bond referendum for FY 2011-12 has been moved outside this 10 year CIP span.

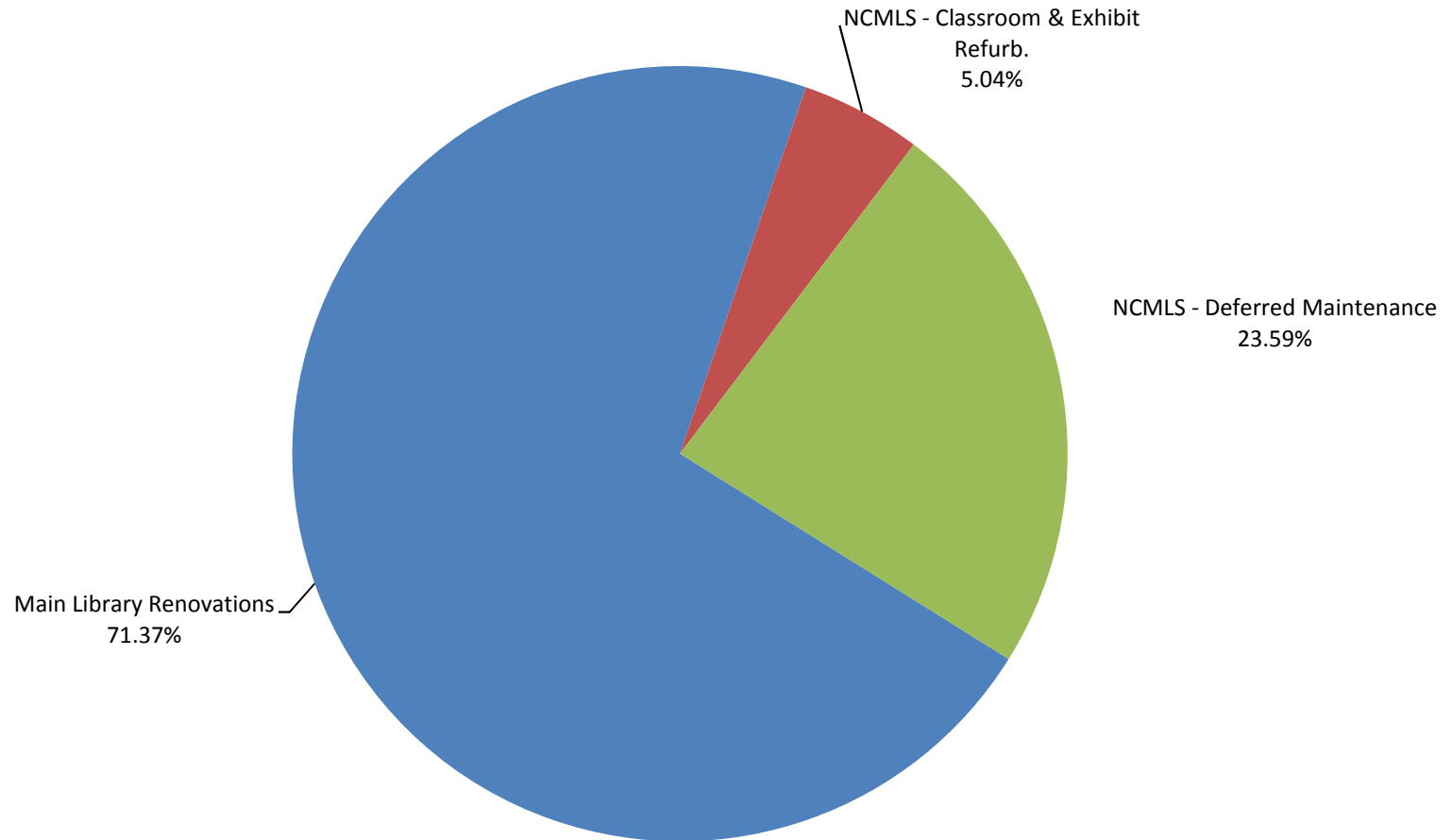
Prior year funding for this project shows the latest approved G.O. Bond referendum from 2007.



## **Culture/Recreation**

A function of local government comprised of cultural and recreational activities maintained for the benefit of residents and visitors.

## 2012-2021 Capital Improvement Plan Culture And Recreation Projects





## Main Library Renovations

| Project Cost Estimates | Prior Years      | 2011-12    | 2012-13    | 2013-14    | 2014-15            | 2015-16            | 2016-17            | 2017-18    | 2018-19    | 2019-20    | 2020-21    | Total Project       |
|------------------------|------------------|------------|------------|------------|--------------------|--------------------|--------------------|------------|------------|------------|------------|---------------------|
| Planning               | \$300,000        |            |            |            | \$1,681,060        |                    |                    |            |            |            |            | \$1,981,060         |
| Land Acquisition       | \$0              |            |            |            |                    |                    |                    |            |            |            |            | \$0                 |
| Construction           | \$0              |            |            |            |                    | \$4,854,673        | \$4,854,673        |            |            |            |            | \$9,709,347         |
| Equip/Furnishings      | \$383,126        |            |            |            |                    | \$1,502,963        | \$834,980          |            |            |            |            | \$2,721,069         |
| Other                  | \$0              |            |            |            |                    | \$561,800          | \$751,482          |            |            |            |            | \$1,313,282         |
| Contingencies          | \$116,874        |            |            |            | \$561,800          | \$485,467          | \$485,467          |            |            |            |            | \$1,649,608         |
| <b>Project Total</b>   | <b>\$800,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$2,242,860</b> | <b>\$7,404,904</b> | <b>\$6,926,602</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$17,374,365</b> |

| Funding Sources          |                  |            |            |            |                    |                    |                    |            |            |            |            |                     |
|--------------------------|------------------|------------|------------|------------|--------------------|--------------------|--------------------|------------|------------|------------|------------|---------------------|
| County Contribution      | \$300,000        |            |            |            |                    |                    |                    |            |            |            |            | \$300,000           |
| General Obligation Bonds | \$0              |            |            |            |                    |                    |                    |            |            |            |            | \$0                 |
| Two Thirds Bonds         | \$500,000        |            |            |            |                    |                    |                    |            |            |            |            | \$500,000           |
| COPS/Bank Financing      | \$0              |            |            |            | \$2,242,860        | \$7,404,904        | \$6,926,602        |            |            |            |            | \$16,574,365        |
| Enterprise Fund          | \$0              |            |            |            |                    |                    |                    |            |            |            |            | \$0                 |
| Revenue Bonds            | \$0              |            |            |            |                    |                    |                    |            |            |            |            | \$0                 |
| Miscellaneous Revenue    | \$0              |            |            |            |                    |                    |                    |            |            |            |            | \$0                 |
| <b>Funding Total</b>     | <b>\$800,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$2,242,860</b> | <b>\$7,404,904</b> | <b>\$6,926,602</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$17,374,365</b> |

| Operating Impact        |            |            |            |            |            |            |            |            |            |            |            |            |
|-------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Additional Expenses     | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        |
| Minus Savings           | \$0        |            |            |            |            |            |            |            |            |            |            | \$0        |
| Net Additional Expenses | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        |
| Minus New Revenues      | \$0        |            |            |            |            |            |            |            |            |            |            | \$0        |
| <b>Operating Total</b>  | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> |

**Function: Culture & Recreation**

**Department: Engineering**

**Project Description:** The Main Library opened its current location at 300 North Roxboro Street in 1980. The increased demand for library services has resulted in a need for additional space and incorporation of technological improvements. In FY 2007-08, this project funded the installation of radio frequency identification (RFID) tags in library materials funded with County contribution and two-thirds general obligation bonds.

In FY 2014-15, planning will occur to assess the additional space and equipment needs of the Main Library with construction occurring in the following two years. The project was moved out two years from the previous CIP and the funding source changed from GO Bonds to COPS financing.

## NC Museum of Life & Science Refurbishment, Renovation, and Improvement

| Project Cost Estimates | Prior Years | 2011-12    | 2012-13    | 2013-14    | 2014-15            | 2015-16            | 2016-17    | 2017-18    | 2018-19    | 2019-20    | 2020-21    | Total Project      |
|------------------------|-------------|------------|------------|------------|--------------------|--------------------|------------|------------|------------|------------|------------|--------------------|
| Planning               | \$0         |            |            |            | \$641,550          | \$308,967          |            |            |            |            |            | \$950,517          |
| Land Acquisition       | \$0         |            |            |            |                    |                    |            |            |            |            |            | \$0                |
| Construction           | \$0         |            |            |            | \$569,153          | \$1,800,642        |            |            |            |            |            | \$2,369,795        |
| Equip/Furnishings      | \$0         |            |            |            | \$834,707          | \$959,021          |            |            |            |            |            | \$1,793,728        |
| Other                  | \$0         |            |            |            |                    |                    |            |            |            |            |            | \$0                |
| Contingencies          | \$0         |            |            |            |                    | \$364,215          |            |            |            |            |            | \$364,215          |
| <b>Project Total</b>   | <b>\$0</b>  | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$2,045,410</b> | <b>\$3,432,844</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$5,478,254</b> |

| Funding Sources          |            |            |            |            |                    |                    |            |            |            |            |            |                    |
|--------------------------|------------|------------|------------|------------|--------------------|--------------------|------------|------------|------------|------------|------------|--------------------|
| County Contribution      | \$0        |            |            |            |                    |                    |            |            |            |            |            | \$0                |
| General Obligation Bonds | \$0        |            |            |            |                    |                    |            |            |            |            |            | \$0                |
| Two Thirds Bonds         | \$0        |            |            |            |                    |                    |            |            |            |            |            | \$0                |
| COPS/Bank Financing      | \$0        |            |            |            | \$2,045,410        | \$3,432,844        |            |            |            |            |            | \$5,478,254        |
| Enterprise Fund          | \$0        |            |            |            |                    |                    |            |            |            |            |            | \$0                |
| Revenue Bonds            | \$0        |            |            |            |                    |                    |            |            |            |            |            | \$0                |
| Miscellaneous Revenue    | \$0        |            |            |            |                    |                    |            |            |            |            |            | \$0                |
| <b>Funding Total</b>     | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$2,045,410</b> | <b>\$3,432,844</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$5,478,254</b> |

| Operating Impact        |            |            |            |            |            |                  |                  |                  |                  |                  |                  |                   |
|-------------------------|------------|------------|------------|------------|------------|------------------|------------------|------------------|------------------|------------------|------------------|-------------------|
| Additional Expenses     | \$0        | \$0        | \$0        | \$0        | \$0        | \$7,050          | \$21,150         | \$35,250         | \$42,300         | \$42,300         | \$42,300         | \$190,350         |
| Minus Savings           | \$0        |            |            |            |            | \$18,900         | \$37,800         | \$37,800         | \$37,800         | \$37,800         | \$37,800         | \$207,900         |
| Net Additional Expenses | \$0        | \$0        | \$0        | \$0        | \$0        | -\$11,850        | -\$23,700        | -\$23,700        | -\$23,700        | -\$23,700        | -\$23,700        | -\$130,350        |
| Minus New Revenues      | \$0        |            |            |            |            | \$30,000         | \$60,000         | \$60,000         | \$60,000         | \$60,000         | \$60,000         | \$330,000         |
| <b>Operating Total</b>  | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>-\$41,850</b> | <b>-\$83,700</b> | <b>-\$83,700</b> | <b>-\$83,700</b> | <b>-\$83,700</b> | <b>-\$83,700</b> | <b>-\$460,350</b> |

**Function: Culture & Recreation**

**Department: NC Museum of Life and Science**

**Project Description:** In this project, the museum will address urgent maintenance needs including heating, ventilating, and air conditioning (HVAC) and carpet replacements. By replacing old, failing fixtures or systems with sustainable ones, the museum saves operating dollars. To defer costly new exhibit development and fabrication, the museum will recondition exhibits with technology. Dynamic interfaces such as touch panels will add value to the existing experience at a reduced cost. The existing classrooms are original from 1993 or earlier, and receive constant use. In this project, the museum refurbishes two classrooms to serve learners with appropriate, accessible and easier-to-maintain learning environments. The Loblolly Park and Farmyard are popular exhibits that are more than 22 years old, and in critical need of renovation to ensure visitor accessibility and safety. The Farmyard will be moved inside the train loop and will provide a strong platform for learning, including early introductions to biotechnology, genomics, and sustainable practices. This project also includes renovation to the museum's lobby/gift shop.

## NC Museum of Life & Science Exhibit and Classroom Refurbishment

| Project Cost Estimates | Prior Years | 2011-12    | 2012-13    | 2013-14    | 2014-15         | 2015-16          | 2016-17          | 2017-18          | 2018-19    | 2019-20    | 2020-21    | Total Project      |
|------------------------|-------------|------------|------------|------------|-----------------|------------------|------------------|------------------|------------|------------|------------|--------------------|
| Planning               | \$0         |            |            |            | \$46,856        | \$67,506         | \$35,255         |                  |            |            |            | \$149,617          |
| Land Acquisition       | \$0         |            |            |            |                 |                  |                  |                  |            |            |            | \$0                |
| Construction           | \$0         |            |            |            |                 | \$110,809        | \$249,222        |                  |            |            |            | \$360,031          |
| Equip/Furnishings      | \$0         |            |            |            |                 | \$221,618        | \$153,655        | \$244,334        |            |            |            | \$619,607          |
| Other                  | \$0         |            |            |            |                 |                  |                  |                  |            |            |            | \$0                |
| Contingencies          | \$0         |            |            |            |                 |                  | \$40,291         |                  |            |            |            | \$40,291           |
| <b>Project Total</b>   | <b>\$0</b>  | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$46,856</b> | <b>\$399,933</b> | <b>\$478,423</b> | <b>\$244,334</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$1,169,546</b> |

| Funding Sources          |            |            |            |            |                 |                  |                  |                  |            |            |            |                    |
|--------------------------|------------|------------|------------|------------|-----------------|------------------|------------------|------------------|------------|------------|------------|--------------------|
| County Contribution      | \$0        |            |            |            | \$46,856        | \$399,933        | \$478,423        | \$244,334        |            |            |            | \$1,169,546        |
| General Obligation Bonds | \$0        |            |            |            |                 |                  |                  |                  |            |            |            | \$0                |
| Two Thirds Bonds         | \$0        |            |            |            |                 |                  |                  |                  |            |            |            | \$0                |
| COPS/Bank Financing      | \$0        |            |            |            |                 |                  |                  |                  |            |            |            | \$0                |
| Enterprise Fund          | \$0        |            |            |            |                 |                  |                  |                  |            |            |            | \$0                |
| Revenue Bonds            | \$0        |            |            |            |                 |                  |                  |                  |            |            |            | \$0                |
| Miscellaneous Revenue    | \$0        |            |            |            |                 |                  |                  |                  |            |            |            | \$0                |
| <b>Funding Total</b>     | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$46,856</b> | <b>\$399,933</b> | <b>\$478,423</b> | <b>\$244,334</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$1,169,546</b> |

| Operating Impact        |            |            |            |            |            |            |            |                 |                  |                  |                  |                  |
|-------------------------|------------|------------|------------|------------|------------|------------|------------|-----------------|------------------|------------------|------------------|------------------|
| Additional Expenses     | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0             | \$0              | \$0              | \$0              | \$0              |
| Minus Savings           | \$0        |            |            |            |            |            |            | \$4,000         | \$6,500          | \$6,500          | \$6,500          | \$23,500         |
| Net Additional Expenses | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | -\$4,000        | -\$6,500         | -\$6,500         | -\$6,500         | -\$23,500        |
| Minus New Revenues      | \$0        |            |            |            |            |            |            | \$3,677         | \$3,769          | \$3,863          | \$3,960          | \$15,269         |
| <b>Operating Total</b>  | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>-\$7,677</b> | <b>-\$10,269</b> | <b>-\$10,363</b> | <b>-\$10,460</b> | <b>-\$38,769</b> |

**Function: Culture & Recreation**

**Department: NC Museum of Life and Science**

**Project Description:** The museum will add interpretive technology to its weather and geology exhibit, refreshing the exhibit while deferring the need for a complete exhibit replacement. The museum also continues the classroom refurbishment program in this project to serve learners with appropriate, accessible and easier-to-maintain classrooms. The museum's Creekside classroom will be equipped to host meetings, providing another source for earned revenue.

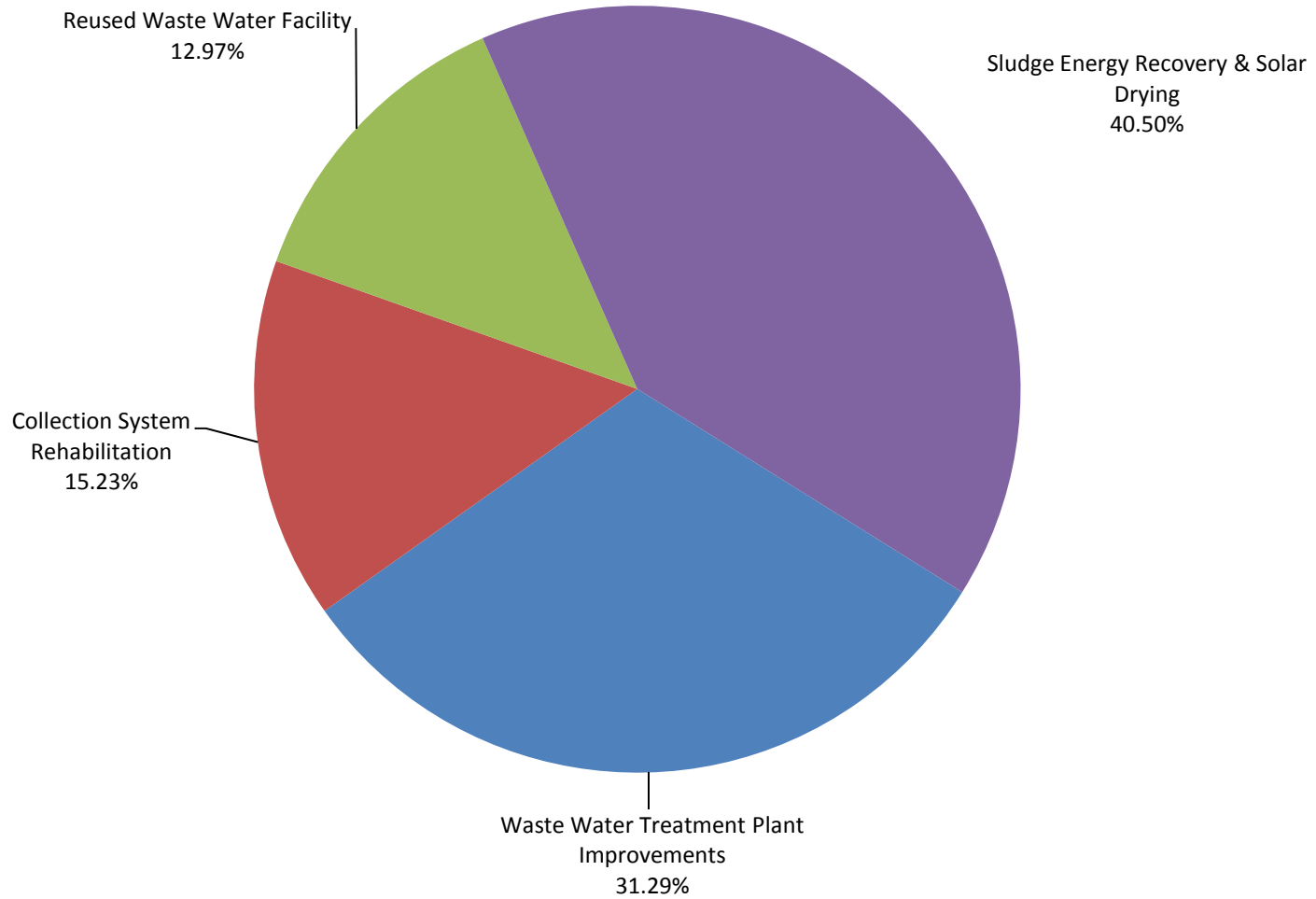
Environmental sustainability and the greening of the museum also are a focus of this project. Cisterns and solar panels for some outdoor exhibits will be installed to reduce the museum's carbon footprint, reduce energy costs, and educate visitors about actions they can take to do the same in their homes. Essential landscaping will be installed, using materials and treatments to increase awareness of native plants and captive rainwater strategies in high-visibility outdoor areas. A Master Plan will inform the ongoing projects, making best use of available space and resources as well as further define sustainability and capital replacement needs.



## **Enterprise Fund**

A fund established to account for operations that are financed and operated in a manner similar to private business in that the services provided are financed through user charges. Water and sewer operations, and enterprise debt service are included in the Enterprise Fund.

## 2012-2021 Capital Improvement Plan Enterprise Fund Projects



## County Wastewater Treatment Plant Improvements

| Project Cost Estimates | Prior Years      | 2011-12             | 2012-13    | 2013-14    | 2014-15    | 2015-16    | 2016-17    | 2017-18    | 2018-19    | 2019-20    | 2020-21    | Total Project       |
|------------------------|------------------|---------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|---------------------|
| Planning               | \$0              | \$589,000           |            |            |            |            |            |            |            |            |            | \$589,000           |
| Land Acquisition       | \$0              |                     |            |            |            |            |            |            |            |            |            | \$0                 |
| Construction           | \$0              | \$10,000,000        |            |            |            |            |            |            |            |            |            | \$10,000,000        |
| Equip/Furnishings      | \$0              |                     |            |            |            |            |            |            |            |            |            | \$0                 |
| Other                  | \$231,783        |                     |            |            |            |            |            |            |            |            |            | \$231,783           |
| Contingencies          | \$0              | \$1,000,000         |            |            |            |            |            |            |            |            |            | \$1,000,000         |
| <b>Project Total</b>   | <b>\$231,783</b> | <b>\$11,589,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$11,820,783</b> |

| Funding Sources          |                  |              |            |            |            |            |            |            |            |            |            |                     |
|--------------------------|------------------|--------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|---------------------|
| County Contribution      | \$0              |              |            |            |            |            |            |            |            |            |            | \$0                 |
| General Obligation Bonds | \$0              |              |            |            |            |            |            |            |            |            |            | \$0                 |
| Two Thirds Bonds         | \$0              |              |            |            |            |            |            |            |            |            |            | \$0                 |
| COPS/Bank Financing      | \$0              |              |            |            |            |            |            |            |            |            |            | \$0                 |
| Enterprise Fund          | \$231,783        |              |            |            |            |            |            |            |            |            |            | \$231,783           |
| Revenue Bonds            | \$0              |              |            |            |            |            |            |            |            |            |            | \$0                 |
| Miscellaneous Revenue    | \$0              | \$11,589,000 |            |            |            |            |            |            |            |            |            | \$11,589,000        |
| <b>Funding Total</b>     | <b>\$231,783</b> | <b>\$0</b>   | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$11,820,783</b> |

| Operating Impact        |            |            |            |            |            |            |            |            |            |            |            |            |
|-------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Additional Expenses     | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        |
| Minus Savings           | \$0        |            |            |            |            |            |            |            |            |            |            | \$0        |
| Net Additional Expenses | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        |
| Minus New Revenues      | \$0        |            |            |            |            |            |            |            |            |            |            | \$0        |
| <b>Operating Total</b>  | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> |

**Function: Enterprise Fund**

**Department: Engineering**

**Project Description:** This project provides multiple improvements to the wastewater treatment plant, including improved safety conditions, increased level of treatment, and increased capacity of the plant. The improvements will double the capacity from 6 million gallons to 12 million gallons per day. The completed improvements include new biological nutrient removal (BNR) facilities to remove nitrogen and phosphorous as part of the treatment process.

Funding for Phase III is supported by a state Revolving Fund loan approved in FY 2010-11. Phase 3 is a biosolids handling facility with a better technology proposed than in the original plans. Engineering is proposing a dryer to achieve Class A biosolids resulting in significantly less volume for ultimate disposal.

## Collection System Rehabilitation

| Project Cost Estimates | Prior Years        | 2011-12            | 2012-13          | 2013-14          | 2014-15          | 2015-16          | 2016-17          | 2017-18          | 2018-19          | 2019-20          | 2020-21          | Total Project      |
|------------------------|--------------------|--------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|--------------------|
| Planning               | \$50,000           | \$50,000           | \$50,000         | \$50,000         | \$50,000         | \$50,000         | \$50,000         | \$50,000         | \$50,000         | \$50,000         | \$50,000         | \$550,000          |
| Land Acquisition       | \$0                |                    |                  |                  |                  |                  |                  |                  |                  |                  |                  | \$0                |
| Construction           | \$2,158,078        | \$1,041,922        | \$400,000        | \$400,000        | \$400,000        | \$400,000        | \$400,000        | \$400,000        | \$400,000        | \$400,000        | \$400,000        | \$6,800,000        |
| Equip/Furnishings      | \$0                |                    |                  |                  |                  |                  |                  |                  |                  |                  |                  | \$0                |
| Other                  | \$0                |                    |                  |                  |                  |                  |                  |                  |                  |                  |                  | \$0                |
| Contingencies          | \$50,000           | \$50,000           | \$50,000         | \$50,000         | \$50,000         | \$50,000         | \$50,000         | \$50,000         | \$50,000         | \$50,000         | \$50,000         | \$550,000          |
| <b>Project Total</b>   | <b>\$2,258,078</b> | <b>\$1,141,922</b> | <b>\$500,000</b> | <b>\$500,000</b> | <b>\$500,000</b> | <b>\$500,000</b> | <b>\$500,000</b> | <b>\$500,000</b> | <b>\$500,000</b> | <b>\$500,000</b> | <b>\$500,000</b> | <b>\$7,900,000</b> |

| Funding Sources          |                    |                    |                  |                  |                  |                  |                  |                  |                  |                  |                  |                    |
|--------------------------|--------------------|--------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|--------------------|
| County Contribution      | \$0                |                    |                  |                  |                  |                  |                  |                  |                  |                  |                  | \$0                |
| General Obligation Bonds | \$0                |                    |                  |                  |                  |                  |                  |                  |                  |                  |                  | \$0                |
| Two Thirds Bonds         | \$0                |                    |                  |                  |                  |                  |                  |                  |                  |                  |                  | \$0                |
| COPS/Bank Financing      | \$0                |                    |                  |                  |                  |                  |                  |                  |                  |                  |                  | \$0                |
| Enterprise Fund          | \$2,400,000        | \$1,000,000        | \$500,000        | \$500,000        | \$500,000        | \$500,000        | \$500,000        | \$500,000        | \$500,000        | \$500,000        | \$500,000        | \$7,900,000        |
| Revenue Bonds            | \$0                |                    |                  |                  |                  |                  |                  |                  |                  |                  |                  | \$0                |
| Miscellaneous Revenue    | \$0                |                    |                  |                  |                  |                  |                  |                  |                  |                  |                  | \$0                |
| <b>Funding Total</b>     | <b>\$2,400,000</b> | <b>\$1,000,000</b> | <b>\$500,000</b> | <b>\$500,000</b> | <b>\$500,000</b> | <b>\$500,000</b> | <b>\$500,000</b> | <b>\$500,000</b> | <b>\$500,000</b> | <b>\$500,000</b> | <b>\$500,000</b> | <b>\$7,900,000</b> |

| Operating Impact        |            |            |            |            |            |            |            |            |            |            |            |            |
|-------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Additional Expenses     | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        |
| Minus Savings           | \$0        |            |            |            |            |            |            |            |            |            |            | \$0        |
| Net Additional Expenses | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        |
| Minus New Revenues      | \$0        |            |            |            |            |            |            |            |            |            |            | \$0        |
| <b>Operating Total</b>  | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> |

**Function: Enterprise Fund**

**Department: Engineering**

**Project Description:** This project proposes systematic maintenance and rehabilitation of several sections of the County's collections system that are aged by approximately 30 years and in need of repair. Durham County owns and maintains a collection system consisting of 109 miles of gravity sewer lines, 11 pump stations, and 7 miles of varying sized force mains to convey wastewater to the Triangle Waste Water Treatment Plant (TWWTP). This system is undergoing a complete manhole survey which will identify every one of the approximately 2,500 manholes with spatial coordinates via the Global Positioning System. This data will be used to construct an accurate, interactive, computerized base map that will be used for maintenance, planning and emergency response purposes.

The County's collection system operates continuously and must be maintained to prevent failures. Given the age of several sections of the system, a lack of maintenance could result in large spills which are hazardous to the environment. The project also will benefit the system through the reduction of inflow and infiltration flows. Successful reduction of inflow and infiltration flows results in a more effective and efficient operation at the County's wastewater treatment plant and can minimize some of the operating costs of the system.

## Reused Wastewater Facility

| Project Cost Estimates | Prior Years        | 2011-12            | 2012-13    | 2013-14          | 2014-15            | 2015-16    | 2016-17    | 2017-18    | 2018-19    | 2019-20    | 2020-21    | Total Project      |
|------------------------|--------------------|--------------------|------------|------------------|--------------------|------------|------------|------------|------------|------------|------------|--------------------|
| Planning               | \$97,205           |                    |            | \$200,000        |                    |            |            |            |            |            |            | \$297,205          |
| Land Acquisition       | \$0                |                    |            |                  |                    |            |            |            |            |            |            | \$0                |
| Construction           | \$2,750,000        | \$2,000,000        |            |                  | \$2,000,000        |            |            |            |            |            |            | \$6,750,000        |
| Equip/Furnishings      | \$0                |                    |            |                  |                    |            |            |            |            |            |            | \$0                |
| Other                  | \$0                |                    |            |                  |                    |            |            |            |            |            |            | \$0                |
| Contingencies          | \$250,000          | \$202,795          |            |                  | \$400,000          |            |            |            |            |            |            | \$852,795          |
| <b>Project Total</b>   | <b>\$3,097,205</b> | <b>\$2,202,795</b> | <b>\$0</b> | <b>\$200,000</b> | <b>\$2,400,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$7,900,000</b> |

| Funding Sources          |                    |            |            |                  |                    |            |            |            |            |            |            |                    |
|--------------------------|--------------------|------------|------------|------------------|--------------------|------------|------------|------------|------------|------------|------------|--------------------|
| County Contribution      | \$0                |            |            |                  |                    |            |            |            |            |            |            | \$0                |
| General Obligation Bonds | \$0                |            |            |                  |                    |            |            |            |            |            |            | \$0                |
| Two Thirds Bonds         | \$0                |            |            |                  |                    |            |            |            |            |            |            | \$0                |
| COPS/Bank Financing      | \$0                |            |            |                  |                    |            |            |            |            |            |            | \$0                |
| Enterprise Fund          | \$750,000          |            |            | \$200,000        | \$400,000          |            |            |            |            |            |            | \$1,350,000        |
| Revenue Bonds            | \$0                |            |            |                  | \$2,000,000        |            |            |            |            |            |            | \$2,000,000        |
| Miscellaneous Revenue    | \$4,550,000        |            |            |                  |                    |            |            |            |            |            |            | \$4,550,000        |
| <b>Funding Total</b>     | <b>\$5,300,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$200,000</b> | <b>\$2,400,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$7,900,000</b> |

| Operating Impact        |            |            |            |            |            |            |            |            |            |            |            |            |
|-------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Additional Expenses     | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        |
| Minus Savings           | \$0        |            |            |            |            |            |            |            |            |            |            | \$0        |
| Net Additional Expenses | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        |
| Minus New Revenues      | \$0        |            |            |            |            |            |            |            |            |            |            | \$0        |
| <b>Operating Total</b>  | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> |

**Function: Enterprise Fund**

**Department: Engineering**

**Project Description:** This project will provide the facilities needed to utilize the highly-treated wastewater for approved uses in the community. The most common local uses are irrigation and cooling towers. More uses are subject to develop as the quality of the product improves, as the quantity of the product increases, and as the availability of potable water decreases.

The project consists of the final monitoring, measurement, and distribution of the treated water into the community. The reuse program is expected to continue indefinitely, with a small percentage of the County's discharge returned to the community in the first few years and higher percentages as time progresses. These types of facilities (distribution lines) are scheduled to last approximately 50 years.

This project will provide benefits to the entire Durham community through the conservation of potable water. There also are local and statewide benefits because of the improvements to the water quality in Northeast Creek and downstream. The costs of these facilities have been considered in the development of the rate model for the Enterprise Fund, which will bear the entire cost of the project.



## Sludge Energy Recovery and Solar Drying

| Project Cost Estimates | Prior Years | 2011-12    | 2012-13    | 2013-14    | 2014-15    | 2015-16    | 2016-17    | 2017-18          | 2018-19             | 2019-20    | 2020-21    | Total Project       |
|------------------------|-------------|------------|------------|------------|------------|------------|------------|------------------|---------------------|------------|------------|---------------------|
| Planning               | \$0         |            |            |            |            |            |            | \$500,000        | \$500,000           |            |            | \$1,000,000         |
| Land Acquisition       | \$0         |            |            |            |            |            |            |                  |                     |            |            | \$0                 |
| Construction           | \$0         |            |            |            |            |            |            |                  | \$13,000,000        |            |            | \$13,000,000        |
| Equip/Furnishings      | \$0         |            |            |            |            |            |            |                  |                     |            |            | \$0                 |
| Other                  | \$0         |            |            |            |            |            |            |                  |                     |            |            | \$0                 |
| Contingencies          | \$0         |            |            |            |            |            |            |                  | \$1,000,000         |            |            | \$1,000,000         |
| <b>Project Total</b>   | <b>\$0</b>  | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$500,000</b> | <b>\$14,500,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$15,000,000</b> |

| Funding Sources          |            |            |            |            |            |            |                  |                  |                     |            |            |                     |
|--------------------------|------------|------------|------------|------------|------------|------------|------------------|------------------|---------------------|------------|------------|---------------------|
| County Contribution      | \$0        |            |            |            |            |            |                  |                  |                     |            |            | \$0                 |
| General Obligation Bonds | \$0        |            |            |            |            |            |                  |                  |                     |            |            | \$0                 |
| Two Thirds Bonds         | \$0        |            |            |            |            |            |                  |                  |                     |            |            | \$0                 |
| COPS/Bank Financing      | \$0        |            |            |            |            |            |                  |                  |                     |            |            | \$0                 |
| Enterprise Fund          | \$0        |            |            |            |            |            | \$250,000        | \$250,000        |                     |            |            | \$500,000           |
| Revenue Bonds            | \$0        |            |            |            |            |            |                  |                  | \$14,500,000        |            |            | \$14,500,000        |
| Miscellaneous Revenue    | \$0        |            |            |            |            |            |                  |                  |                     |            |            | \$0                 |
| <b>Funding Total</b>     | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$250,000</b> | <b>\$250,000</b> | <b>\$14,500,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$15,000,000</b> |

| Operating Impact        |            |            |            |            |            |            |            |            |            |            |            |            |
|-------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Additional Expenses     | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        |
| Minus Savings           | \$0        |            |            |            |            |            |            |            |            |            |            | \$0        |
| Net Additional Expenses | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        |
| Minus New Revenues      | \$0        |            |            |            |            |            |            |            |            |            |            | \$0        |
| <b>Operating Total</b>  | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> |

**Function: Enterprise Fund**

**Department: Engineering**

**Project Description:** Sludge generated at the Wastewater Treatment Plant contains significant amounts of volatile solids, which when anaerobically digested (digested without oxygen) generate methane. Methane is a fuel source which can be burned in a generator to produce energy, and waste heat may be used to improve the efficiency of the digester. A secondary benefit is that if the sludge is thermophilically digested for sufficient time, it can meet Class A biosolids requirements and be used for fertilizer by the public. This is considered a best practice by the National League of Cities. The digested and centrifuged biosolids then can be solar dried to produce an approximately 80% dry solids material for local distribution to the public. Excess biosolids (either dried or dewatered) would be sent to off-site contractors for distribution with compost.

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## **Addendum**

## County Commissioner Boardroom Upgrades

| Project Cost Estimates | Prior Years      | 2011-12    | 2012-13    | 2013-14    | 2014-15    | 2015-16    | 2016-17    | 2017-18    | 2018-19    | 2019-20    | 2020-21    | Total Project    |
|------------------------|------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------------|
| Planning               | \$0              |            |            |            |            |            |            |            |            |            |            | \$0              |
| Land Acquisition       | \$0              |            |            |            |            |            |            |            |            |            |            | \$0              |
| Construction           | \$957,222        |            |            |            |            |            |            |            |            |            |            | \$957,222        |
| Equip/Furnishings      | \$7,326          |            |            |            |            |            |            |            |            |            |            | \$7,326          |
| Other                  | \$0              |            |            |            |            |            |            |            |            |            |            | \$0              |
| Contingencies          | \$0              |            |            |            |            |            |            |            |            |            |            | \$0              |
| <b>Project Total</b>   | <b>\$964,548</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$964,548</b> |

| Funding Sources          |                  |            |            |            |            |            |            |            |            |            |            |                  |
|--------------------------|------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------------|
| County Contribution      | \$844,548        |            |            |            |            |            |            |            |            |            |            | \$844,548        |
| General Obligation Bonds | \$0              |            |            |            |            |            |            |            |            |            |            | \$0              |
| Two Thirds Bonds         | \$120,000        |            |            |            |            |            |            |            |            |            |            | \$120,000        |
| COPS/Bank Financing      | \$0              |            |            |            |            |            |            |            |            |            |            | \$0              |
| Enterprise Fund          | \$0              |            |            |            |            |            |            |            |            |            |            | \$0              |
| Revenue Bonds            | \$0              |            |            |            |            |            |            |            |            |            |            | \$0              |
| Miscellaneous Revenue    | \$0              |            |            |            |            |            |            |            |            |            |            | \$0              |
| <b>Funding Total</b>     | <b>\$964,548</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$964,548</b> |

| Operating Impact        |            |            |            |            |            |            |            |            |            |            |            |            |
|-------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Additional Expenses     | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        |
| Minus Savings           | \$0        |            |            |            |            |            |            |            |            |            |            | \$0        |
| Net Additional Expenses | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        |
| Minus New Revenues      | \$0        |            |            |            |            |            |            |            |            |            |            | \$0        |
| <b>Operating Total</b>  | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> |

**Function: General Government**

**Department: Engineering**

**Project Description:** This project includes technology upgrades and renovations to the Board of County Commissioners' (BOCC) chambers and adjacent offices of the Clerk to the BOCC. The project primarily addresses upgrades to the audio visual systems to improve usability of the facility. Included in the project are new cameras for broadcasting meetings on television and the Internet as well as structural modifications to the BOCC's chambers and Clerk's offices, furnishings, equipment, information technology, and telephone costs.

## County Stadium Upgrades

| Project Cost Estimates | Prior Years        | 2011-12    | 2012-13    | 2013-14    | 2014-15    | 2015-16    | 2016-17    | 2017-18    | 2018-19    | 2019-20    | 2020-21    | Total Project      |
|------------------------|--------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|--------------------|
| Planning               | \$615,500          |            |            |            |            |            |            |            |            |            |            | \$615,500          |
| Land Acquisition       | \$0                |            |            |            |            |            |            |            |            |            |            | \$0                |
| Construction           | \$6,506,833        |            |            |            |            |            |            |            |            |            |            | \$6,506,833        |
| Equip/Furnishings      | \$20,000           |            |            |            |            |            |            |            |            |            |            | \$20,000           |
| Other                  | \$80,000           |            |            |            |            |            |            |            |            |            |            | \$80,000           |
| Contingencies          | \$984,500          |            |            |            |            |            |            |            |            |            |            | \$984,500          |
| <b>Project Total</b>   | <b>\$8,206,833</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$8,206,833</b> |

| Funding Sources          |                    |            |            |            |            |            |            |            |            |            |            |                    |
|--------------------------|--------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|--------------------|
| County Contribution      | \$0                |            |            |            |            |            |            |            |            |            |            | \$0                |
| General Obligation Bonds | \$0                |            |            |            |            |            |            |            |            |            |            | \$0                |
| Two Thirds Bonds         | \$0                |            |            |            |            |            |            |            |            |            |            | \$0                |
| COPS/Bank Financing      | \$8,206,833        |            |            |            |            |            |            |            |            |            |            | \$8,206,833        |
| Enterprise Fund          | \$0                |            |            |            |            |            |            |            |            |            |            | \$0                |
| Revenue Bonds            | \$0                |            |            |            |            |            |            |            |            |            |            | \$0                |
| Miscellaneous Revenue    | \$0                |            |            |            |            |            |            |            |            |            |            | \$0                |
| <b>Funding Total</b>     | <b>\$8,206,833</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$8,206,833</b> |

| Operating Impact        |            |            |            |            |            |            |            |            |            |            |            |            |
|-------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Additional Expenses     | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        |
| Minus Savings           | \$0        |            |            |            |            |            |            |            |            |            |            | \$0        |
| Net Additional Expenses | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        |
| Minus New Revenues      | \$0        |            |            |            |            |            |            |            |            |            |            | \$0        |
| <b>Operating Total</b>  | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> |

**Function: General Government**

**Department: Engineering**

**Project Description:** The County Stadium is an athletic stadium used for a variety of events. It is located on Stadium Drive near Duke Street just south of Durham Regional Hospital and serves as the Northern High School home football field. This project addresses Americans with Disabilities Act (ADA) requirements and includes numerous improvements to the facility including replacement of the press box, upgrading locker rooms and public restrooms, constructing a track, installing artificial field turf, and replacing stadium seating covers. Durham Public Schools high schools and various local track teams will utilize the stadium along with other special event users.

## County Storage Facility

| Project Cost Estimates | Prior Years        | 2011-12    | 2012-13    | 2013-14    | 2014-15    | 2015-16    | 2016-17    | 2017-18    | 2018-19    | 2019-20    | 2020-21    | Total Project      |
|------------------------|--------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|--------------------|
| Planning               | \$510,000          |            |            |            |            |            |            |            |            |            |            | \$510,000          |
| Land Acquisition       | \$0                |            |            |            |            |            |            |            |            |            |            | \$0                |
| Construction           | \$2,100,000        |            |            |            |            |            |            |            |            |            |            | \$2,100,000        |
| Equip/Furnishings      | \$100,000          |            |            |            |            |            |            |            |            |            |            | \$100,000          |
| Other                  | \$50,000           |            |            |            |            |            |            |            |            |            |            | \$50,000           |
| Contingencies          | \$340,000          |            |            |            |            |            |            |            |            |            |            | \$340,000          |
| <b>Project Total</b>   | <b>\$3,100,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$3,100,000</b> |

| Funding Sources          |                    |            |            |            |            |            |            |            |            |            |            |                    |
|--------------------------|--------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|--------------------|
| County Contribution      | \$0                |            |            |            |            |            |            |            |            |            |            | \$0                |
| General Obligation Bonds | \$0                |            |            |            |            |            |            |            |            |            |            | \$0                |
| Two Thirds Bonds         | \$0                |            |            |            |            |            |            |            |            |            |            | \$0                |
| COPS/Bank Financing      | \$3,100,000        |            |            |            |            |            |            |            |            |            |            | \$3,100,000        |
| Enterprise Fund          | \$0                |            |            |            |            |            |            |            |            |            |            | \$0                |
| Revenue Bonds            | \$0                |            |            |            |            |            |            |            |            |            |            | \$0                |
| Miscellaneous Revenue    | \$0                |            |            |            |            |            |            |            |            |            |            | \$0                |
| <b>Funding Total</b>     | <b>\$3,100,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$3,100,000</b> |

| Operating Impact        |            |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                  |
|-------------------------|------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|
| Additional Expenses     | \$0        | \$31,000        | \$44,425        | \$58,521        | \$42,322        | \$44,438        | \$46,661        | \$48,994        | \$51,443        | \$54,015        | \$56,716        | \$478,535        |
| Minus Savings           | \$0        |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 | \$0              |
| Net Additional Expenses | \$0        | \$31,000        | \$13,425        | \$14,096        | \$14,801        | \$15,541        | \$16,318        | \$17,134        | \$17,991        | \$18,890        | \$19,835        | \$179,032        |
| Minus New Revenues      | \$0        |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 | \$0              |
| <b>Operating Total</b>  | <b>\$0</b> | <b>\$31,000</b> | <b>\$13,425</b> | <b>\$14,096</b> | <b>\$14,801</b> | <b>\$15,541</b> | <b>\$16,318</b> | <b>\$17,134</b> | <b>\$17,991</b> | <b>\$18,890</b> | <b>\$19,835</b> | <b>\$179,032</b> |

**Function: General Government**

**Department: Engineering**

**Project Description:** This project will include the acquisition of a facility to store County property. Currently, County property is housed in the Carmichael Building, which is set to be sold once the Human Services Complex is complete. Facility renovations will be necessary to support County requirements, but will vary depending upon the facility acquired. County requirements for the facility include a location in or near downtown with space in excess of 30,000 square feet and at least one loading dock as well as limited heating (no air conditioning at this time) and the ability to house equipment. The facility would have limited need to support office functions. Additionally, if two or more stories, an elevator is necessary for moving property.

## Durham Convention Center

| Project Cost Estimates | Prior Years        | 2011-12    | 2012-13    | 2013-14    | 2014-15    | 2015-16    | 2016-17    | 2017-18    | 2018-19    | 2019-20    | 2020-21    | Total Project      |
|------------------------|--------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|--------------------|
| Planning               | \$0                |            |            |            |            |            |            |            |            |            |            | \$0                |
| Land Acquisition       | \$0                |            |            |            |            |            |            |            |            |            |            | \$0                |
| Construction           | \$0                |            |            |            |            |            |            |            |            |            |            | \$0                |
| Equip/Furnishings      | \$19,810           |            |            |            |            |            |            |            |            |            |            | \$19,810           |
| Other                  | \$5,325,190        |            |            |            |            |            |            |            |            |            |            | \$5,325,190        |
| Contingencies          | \$0                |            |            |            |            |            |            |            |            |            |            | \$0                |
| <b>Project Total</b>   | <b>\$5,345,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$5,345,000</b> |

| Funding Sources          |                    |            |            |            |            |            |            |            |            |            |            |                    |
|--------------------------|--------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|--------------------|
| County Contribution      | \$245,000          |            |            |            |            |            |            |            |            |            |            | \$245,000          |
| General Obligation Bonds | \$0                |            |            |            |            |            |            |            |            |            |            | \$0                |
| Two Thirds Bonds         | \$0                |            |            |            |            |            |            |            |            |            |            | \$0                |
| COPS/Bank Financing      | \$5,100,000        |            |            |            |            |            |            |            |            |            |            | \$5,100,000        |
| Enterprise Fund          | \$0                |            |            |            |            |            |            |            |            |            |            | \$0                |
| Revenue Bonds            | \$0                |            |            |            |            |            |            |            |            |            |            | \$0                |
| Miscellaneous Revenue    | \$0                |            |            |            |            |            |            |            |            |            |            | \$0                |
| <b>Funding Total</b>     | <b>\$5,345,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$5,345,000</b> |

| Operating Impact        |            |            |            |            |            |            |            |            |            |            |            |            |
|-------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Additional Expenses     | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        |
| Minus Savings           | \$0        |            |            |            |            |            |            |            |            |            |            | \$0        |
| Net Additional Expenses | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        |
| Minus New Revenues      | \$0        |            |            |            |            |            |            |            |            |            |            | \$0        |
| <b>Operating Total</b>  | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> |

**Function: General Government**

**Department: Engineering**

**Project Description:** Maintenance and upgrade costs for the Durham Convention Center continue to arise as the building ages and new services are provided. FY 2007-08 provided funding for heating, ventilating, and air conditioning (HVAC) upgrades associated with code compliance and public safety; aging equipment; preventative maintenance; and work that will improve operations, life cycle costs and deferred maintenance issues, exhibit hall renovations, and Americans with Disabilities Act (ADA) upgrades. FY 2008-09 had funds allocated for roof replacement and FY 2009-10 had funds allocated for other needs.

## DURHAM COUNTY GOVERNMENT

[www.durhamcountync.gov](http://www.durhamcountync.gov)

919-560-0000

| Agency                                     | Telephone         |
|--|-------------------|
| Animal Control                             | 919-560-0630/0631 |
| Board of County Commissioners              | 919-560-0027      |
| Board of Elections                         | 919-560-0700      |
| Budget and Management Services             | 919-560-0012      |
| City/County Inspections                    | 919-560-4144      |
| City/County Planning                       | 919-560-4137      |
| Clerk to the Board of County Commissioners | 919-560-0025      |
| Cooperative Extension Service              | 919-560-0525      |
| County Attorney                            | 919-560-0705      |
| County Engineering                         | 919-560-0735      |
| County Manager                             | 919-560-0000      |
| Criminal Justice Resource Center           | 919-560-0500      |
| Durham Center                              | 919-560-7200      |
| Emergency Management                       | 919-560-0660      |
| Emergency Medical Services                 | 919-560-8285      |
| Finance                                    | 919-560-0035      |
| Fire Marshal                               | 919-560-0660      |
| General Services                           | 919-560-0430      |
| Human Resources                            | 919-560-7900      |
| Information Technology                     | 919-560-7000      |
| Internal Audit                             | 919-560-0042      |
| Library                                    | 919-560-0100      |
| Public Health                              | 919-560-7600      |
| Register of Deeds                          | 919-560-0480      |
| SAP Shared Services                        | 919-560-7314      |
| Sheriff                                    | 919-560-0897      |
| Social Services                            | 919-560-8000      |
| Soil and Water Conservation                | 919-560-0558      |
| Tax Administration                         | 919-560-0300      |
| Veteran Services                           | 919-560-8387      |
| Youth Home                                 | 919-560-0840      |

